	B	C	E	F	G	H	I	P
1	LOINC #	Long Common Name	Class Override	Rank	Example UCUM	Example UCUM Display	Comments	System Adjusted
2	General Guidance							
3	**1) Ask your test kit and instrument manufacturer(s) and referral labs about which LOINC codes are relevant for their products.** Increasingly, test kit and instrument manufacturers are requesting LOINC codes for their new test. Some of the larger manufacturers have mapped their routine tests done on to LOINC codes. Check with these in vitro diagnostic companies for the LOINC codes relevant for their tests. In addition, the largest referral laboratories in the US have mapped their high- to medium-volume tests to LOINC. Getting the LOINC mappings from either of these sources will save you time. **2) When mapping, search against the LOINC common test list.** In RELMA and on search.loinc.org you can set the search parameters to only look at the common tests. Work through the mapping by lab section. Realize that LOINC does not encompass terms that may be used in your lab system for internal accounting or "diagnostic" variables that are provided as indicators that might be used to trigger a follow up test, but are not supposed to be reported to the ordering provider because the results are not reliable enough. Blood cell counters usually report such indicators. **3) Obtain a master list of tests for mapping.** RELMA has a function that will convert a large set of HL7 result (ORU) messages into a database that carries the name of the order, the units of measure, and sample data that can be the source of frequency statistics for deciding which terms to tackle first. RELMA also can use the units of measure to focus your search on LOINC terms whose property is consistent with the units of measure you report. **4) A new resource called LOINC Essentials.** A new book called LOINC Essentials is now available (https://danielvreeman.com/loinc-essentials) that provides a detailed step-by-step guide for mapping your local codes to LOINC codes. This book is a nice adjunct to the domain-specific advice provided here in this Mapper's Guide to the Top 2000+ Lab Observations. **NOTE ABOUT RANKS:** The ranks in the Top 2000+ laboratory results table were originally based on three large institutions' statistics. Since the data were acquired, some important new tests and recommendations or approaches to testing have emerged. As of version 1.4, we have added some of these tests to the table, not based on empiric statistics, but on our opinion that these are or should be in increased use. For these LOINC codes, we assigned a rank value of 3000 as a way to distinguish them from the tests originally included in the Top 2000+.						
4	Guidance and Information by Test Classes							
5	Allergy							

	B	C	E	F	G	H	I	P
1	LOINC #	Long Common Name	Class Override	Rank	Example UCUM	Example UCUM Display	Comments	System Adjusted
6	The allergy tests included in the Top 2000+ are a very small percentage of the approximately 3800 allergen tests in the LOINC database. Only a relatively few are used frequently enough to make the Top 2000+ list. Be aware that laboratories may report the test results for a given allergen in three ways: 1) As numeric concentration of IgE antibodies with units of IU/mL 2) As a rank (the RAST class from 1-6) based on the concentration that categorizes the severity of the allergy, or 3) As a percent of the reaction to a control specimen. A WHO International reference standard exists for measuring IgE by itself, which is almost always reported in kIU/L. Most labs have serum/plasma tests for IgE alone; some report in international units (usually kIU/L) and others as arbitrary units, though we suspect these are close to being IU, but they don't quite qualify for some reason. Some labs report the strength of the allergen as percent of some control, and thus avoid the issues of international units all together. Though the majority of allergen testing focuses on IgE antibodies, some laboratories measure IgG and IgA concentration, particularly against food allergens. We bring this up only so you do not assume that all allergy tests are looking for IgE antibodies [PMID: 21461251]. The National Institute of Allergy and Infectious Diseases (NIAID), part of the National Institutes of Health, published an extensive report about testing for food allergies in 2011 (Guidelines for the Diagnosis and Management of Food Allergy in the United States: Report of the NIAID-Sponsored Expert Panel) that also emphasized this. Be aware that different names can be applied to a given allergen and it may not always be obvious when two allergens are the same. For example, hair, fur and dander and even dog serum albumin may be referring to the same allergen. In the case of dogs and cats, the allergenicity of hair and fur mostly comes from saliva deposited on the animal's coat by licking the skin or hair. Dog serum albumin is also deposited on the skin/hair and is one of the entities that stimulates allergies. An allergen named cat fur or cat hair is really testing for allergy to cat dander. Likewise, dog dander, epithelium, and hair all identify the same allergen, which comes from saliva and coats the hair and epithelium when the dog licks its fur, therefore, we recommend using [LOINC: 6098-8] if possible. Historically, the allergens used for allergy testing were direct extracts made from a part of the plant or animal or other specific allergy-inducing substance. Today some allergy tests use a more precise, purified "extract" that focuses on the specific antigen responsible for the allergy. These antigens are obtained by: 1) physical/immunochemical purification of extracts used historically to test for allergies; or 2) recombinant methods to produce the pure allergen.							

	B	C	E	F	G	H	I	P
1	LOINC #	Long Common Name	Class Override	Rank	Example UCUM	Example UCUM Display	Comments	System Adjusted
7	We insert standard acronym names used by most allergen manufacturers as synonyms. These begin with lower case "n" or "r" to distinguish native from recombinant allergens followed by the first 3 letters of the genus (in Latin), a space and the first letter of the species (in Latin). If the first 3 letters of the genus and the first letter of the species are not enough to distinguish between two allergens, the second letter of the species name is added (e.g., Prunus avium recombinant (rPru av) 1). Because the content in the parentheses represents the antigen acronym and not the ImmunoCAP code, the antigen sequence number is purposely placed after the closed parenthesis. For example, four LOINC dog allergen codes are: [LOINC: 75008-3] Dog native (nCan f) 1 IgE Ab [Units/volume] in Serum [LOINC: 58773-3] Dog recombinant (rCan f) 1 IgE Ab [Units/volume] in Serum [LOINC: 58772-5] Dog recombinant (rCan f) 2 IgE Ab [Units/volume] in Serum [LOINC: 64973-1] Dog recombinant (rCan f) 5 IgE Ab [Units/volume] in Serum							
8	6019-4	Almond IgE Ab [Units/volume] in Serum	Allergy	1024	k[IU]/L	kIU/L		Ser
9	6020-2	Alternaria alternata IgE Ab [Units/volume] in Serum	Allergy	652	k[IU]/L	kIU/L		Ser
10	15530-9	Alternaria alternata IgE Ab RAST class in Serum	Allergy	1289				Ser
11	6038-4	American Beech IgE Ab [Units/volume] in Serum	Allergy	1924	k[IU]/L	kIU/L		Ser
12	30170-5	American Cockroach IgE Ab [Units/volume] in Serum	Allergy	780	k[IU]/L	kIU/L		Ser
13	6095-4	American house dust mite IgE Ab [Units/volume] in Serum	Allergy	648	k[IU]/L	kIU/L		Ser
14	6263-8	American Sycamore IgE Ab [Units/volume] in Serum	Allergy	1072	k[IU]/L	kIU/L		Ser
15	6021-0	Apple IgE Ab [Units/volume] in Serum	Allergy	1570	k[IU]/L	kIU/L		Ser
16	6025-1	Aspergillus fumigatus IgE Ab [Units/volume] in Serum	Allergy	683	k[IU]/L	kIU/L		Ser
17	6029-3	Aureobasidium pullulans IgE Ab [Units/volume] in Serum	Allergy	1889	k[IU]/L	kIU/L		Ser
18	6034-3	Bahia grass IgE Ab [Units/volume] in Serum	Allergy	860	k[IU]/L	kIU/L		Ser
19	31032-6	Baker's yeast IgA Ab [Units/volume] in Serum	Allergy	1368	k[IU]/L	kIU/L		Ser
20	47320-7	Baker's yeast IgA Ab [Units/volume] in Serum by Immunoassay	Allergy	1369	k[IU]/L	kIU/L		Ser
21	6287-7	Baker's yeast IgE Ab [Units/volume] in Serum	Allergy	1945	k[IU]/L	kIU/L		Ser
22	35538-8	Baker's yeast IgG Ab [Mass/volume] in Serum	Allergy	1311	ug/mL	ug/mL		Ser
23	6035-0	Banana IgE Ab [Units/volume] in Serum	Allergy	1627	k[IU]/L	kIU/L		Ser
24	6037-6	Barley IgE Ab [Units/volume] in Serum	Allergy	1765	k[IU]/L	kIU/L		Ser
25	7124-1	Bayberry Pollen IgE Ab [Units/volume] in Serum	Allergy	1513	k[IU]/L	kIU/L		Ser
26	6039-2	Beef IgE Ab [Units/volume] in Serum	Allergy	857	k[IU]/L	kIU/L		Ser
27	6041-8	Bermuda grass IgE Ab [Units/volume] in Serum	Allergy	745	k[IU]/L	kIU/L		Ser
28	7155-5	Boxelder IgE Ab [Units/volume] in Serum	Allergy	795	k[IU]/L	kIU/L		Ser
29	6050-9	Brazil Nut IgE Ab [Units/volume] in Serum	Allergy	1401	k[IU]/L	kIU/L		Ser
30	6059-0	Candida albicans IgE Ab [Units/volume] in Serum	Allergy	1734	k[IU]/L	kIU/L		Ser
31	6061-6	Carrot IgE Ab [Units/volume] in Serum	Allergy	1898	k[IU]/L	kIU/L		Ser
32	6062-4	Casein IgE Ab [Units/volume] in Serum	Allergy	1668	k[IU]/L	kIU/L		Ser
33	6718-1	Cashew Nut IgE Ab [Units/volume] in Serum	Allergy	1084	k[IU]/L	kIU/L		Ser
34	6833-8	Cat dander IgE Ab [Units/volume] in Serum	Allergy	715	k[IU]/L	kIU/L	The same allergen is carried by cat hair and epithelium. It comes from cat saliva, which coats hair and epithelium through licking. It is best named as cat dander.	Ser
35	19734-3	Chicken droppings IgE Ab [Units/volume] in Serum	Allergy	1827	k[IU]/L	kIU/L		Ser

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1	LOINC #	Long Common Name	Class Override	Rank	Example UCUM	Example UCUM Display	Comments	System Adjusted
36	6073-1	Chocolate IgE Ab [Units/volume] in Serum	Allergy	899	k[IU]/L	kIU/L		Ser
37	6075-6	Cladosporium herbarum IgE Ab [Units/volume] in Serum	Allergy	718	k[IU]/L	kIU/L		Ser
38	7415-3	Cladosporium sphaerospermum IgE Ab [Units/volume] in Serum	Allergy	1809	k[IU]/L	kIU/L		Ser
39	6076-4	Clam IgE Ab [Units/volume] in Serum	Allergy	1153	k[IU]/L	kIU/L		Ser
40	15643-0	Clam IgE Ab RAST class in Serum	Allergy	1594				Ser
41	6078-0	Cockroach IgE Ab [Units/volume] in Serum	Allergy	1717	k[IU]/L	kIU/L		Ser
42	24139-8	Cockroach IgG Ab [Units/volume] in Serum	Allergy	1844	k[IU]/L	kIU/L		Ser
43	6195-2	Cocksfoot IgE Ab [Units/volume] in Serum	Allergy	1536	k[IU]/L	kIU/L		Ser
44	6081-4	Coconut IgE Ab [Units/volume] in Serum	Allergy	1916	k[IU]/L	kIU/L		Ser
45	6082-2	Codfish IgE Ab [Units/volume] in Serum	Allergy	992	k[IU]/L	kIU/L		Ser
46	6085-5	Common Ragweed IgE Ab [Units/volume] in Serum	Allergy	757	k[IU]/L	kIU/L		Ser
47	6087-1	Corn IgE Ab [Units/volume] in Serum	Allergy	738	k[IU]/L	kIU/L		Ser
48	6090-5	Cottonwood IgE Ab [Units/volume] in Serum	Allergy	1943	k[IU]/L	kIU/L		Ser
49	7258-7	Cow milk IgE Ab [Units/volume] in Serum	Allergy	662	k[IU]/L	kIU/L		Ser
50	25383-1	Cow milk IgE Ab RAST class in Serum	Allergy	1797				Ser
51	7774-3	Cow whey IgE Ab [Units/volume] in Serum	Allergy	1742	k[IU]/L	kIU/L		Ser
52	6092-1	Crab IgE Ab [Units/volume] in Serum	Allergy	1274	k[IU]/L	kIU/L		Ser
53	6098-8	Dog dander IgE Ab [Units/volume] in Serum	Allergy	1077	k[IU]/L	kIU/L	Dog dander, epithelium, and hair all identify the same allergen which comes from saliva and coats the hair and epithelium via licking.	Ser
54	6099-6	Dog epithelium IgE Ab [Units/volume] in Serum	Allergy	692	k[IU]/L	kIU/L	Dog dander, epithelium, and hair all identify the same allergen which comes from saliva and coats the hair and epithelium via licking. Use [LOINC: 6098-8] if possible.	Ser
55	7287-6	Dog Fennel IgE Ab [Units/volume] in Serum	Allergy	1502	k[IU]/L	kIU/L		Ser
56	6106-9	Egg white IgE Ab [Units/volume] in Serum	Allergy	799	k[IU]/L	kIU/L		Ser
57	6107-7	Egg yolk IgE Ab [Units/volume] in Serum	Allergy	1080	k[IU]/L	kIU/L		Ser
58	6110-1	English Plantain IgE Ab [Units/volume] in Serum	Allergy	758	k[IU]/L	kIU/L		Ser
59	6096-2	European house dust mite IgE Ab [Units/volume] in Serum	Allergy	675	k[IU]/L	kIU/L		Ser
60	15218-1	Food Allergen Mix 2 (Cod+Blue Mussel+Shrimp+Salmon+Tuna) IgE Ab [Presence] in Serum by Multidisk	Allergy	971				Ser
61	6121-8	Fusarium moniliforme IgE Ab [Units/volume] in Serum	Allergy	1941	k[IU]/L	kIU/L		Ser
62	6125-9	Gluten IgE Ab [Units/volume] in Serum	Allergy	1932	k[IU]/L	kIU/L		Ser
63	6156-4	Goosefoot IgE Ab [Units/volume] in Serum	Allergy	993	k[IU]/L	kIU/L		Ser
64	7110-0	Groundsel Tree IgE Ab [Units/volume] in Serum	Allergy	1534	k[IU]/L	kIU/L		Ser
65	6113-5	Gum-Tree IgE Ab [Units/volume] in Serum	Allergy	1377	k[IU]/L	kIU/L		Ser
66	6136-6	Hazelnut IgE Ab [Units/volume] in Serum	Allergy	1241	k[IU]/L	kIU/L		Ser
67	6137-4	Hazelnut Pollen IgE Ab [Units/volume] in Serum	Allergy	1650	k[IU]/L	kIU/L		Ser
68	6138-2	Helminthosporium halodes IgE Ab [Units/volume] in Serum	Allergy	1763	k[IU]/L	kIU/L		Ser
69	6151-5	Italian Cypress IgE Ab [Units/volume] in Serum	Allergy	1495	k[IU]/L	kIU/L		Ser
70	6152-3	Johnson grass IgE Ab [Units/volume] in Serum	Allergy	839	k[IU]/L	kIU/L		Ser
71	6153-1	Kentucky blue grass IgE Ab [Units/volume] in Serum	Allergy	927	k[IU]/L	kIU/L		Ser
72	7445-0	Lactalbumin alpha IgE Ab [Units/volume] in Serum	Allergy	1857	k[IU]/L	kIU/L		Ser

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1	LOINC #	Long Common Name	Class Override	Rank	Example UCUM	Example UCUM Display	Comments	System Adjusted
73	6158-0	Latex IgE Ab [Units/volume] in Serum	Allergy	1426	k[IU]/L	kIU/L		Ser
74	6239-8	Lenscale IgE Ab [Units/volume] in Serum	Allergy	1848	k[IU]/L	kIU/L		Ser
75	6165-5	Lobster IgE Ab [Units/volume] in Serum	Allergy	1340	k[IU]/L	kIU/L		Ser
76	11183-1	Macadamia IgE Ab [Units/volume] in Serum	Allergy	1845	k[IU]/L	kIU/L		Ser
77	7477-3	Mango Pollen IgE Ab [Units/volume] in Serum	Allergy	1530	k[IU]/L	kIU/L		Ser
78	6174-7	Milk IgE Ab [Units/volume] in Serum	Allergy	1442	k[IU]/L	kIU/L		Ser
79	33536-4	Miscellaneous allergen IgE Ab RAST class in Serum	Allergy	1408				Ser
80	6178-8	Mountain Juniper IgE Ab [Units/volume] in Serum	Allergy	963	k[IU]/L	kIU/L		Ser
81	6182-0	Mucor racemosus IgE Ab [Units/volume] in Serum	Allergy	827	k[IU]/L	kIU/L		Ser
82	6183-8	Mugwort IgE Ab [Units/volume] in Serum	Allergy	1037	k[IU]/L	kIU/L		Ser
83	6186-1	Nettle IgE Ab [Units/volume] in Serum	Allergy	994	k[IU]/L	kIU/L		Ser
84	6190-3	Oat IgE Ab [Units/volume] in Serum	Allergy	1486	k[IU]/L	kIU/L		Ser
85	6194-5	Orange IgE Ab [Units/volume] in Serum	Allergy	1636	k[IU]/L	kIU/L		Ser
86	7558-0	Oyster IgE Ab [Units/volume] in Serum	Allergy	1690	k[IU]/L	kIU/L		Ser
87	6206-7	Peanut IgE Ab [Units/volume] in Serum	Allergy	611	k[IU]/L	kIU/L		Ser
88	15917-8	Peanut IgE Ab RAST class in Serum	Allergy	1721				Ser
89	6208-3	Pecan or Hickory Nut IgE Ab [Units/volume] in Serum	Allergy	1096	k[IU]/L	kIU/L		Ser
90	6209-1	Pecan or Hickory Tree IgE Ab [Units/volume] in Serum	Allergy	1615	k[IU]/L	kIU/L		Ser
91	6212-5	Penicillium notatum IgE Ab [Units/volume] in Serum	Allergy	748	k[IU]/L	kIU/L		Ser
92	7369-2	Perennial rye grass IgE Ab [Units/volume] in Serum	Allergy	1147	k[IU]/L	kIU/L		Ser
93	6733-0	Pigeon serum Ab [Presence] in Serum by Immune diffusion (ID)	Allergy	1903				Ser
94	7613-3	Pistachio IgE Ab [Units/volume] in Serum	Allergy	1583	k[IU]/L	kIU/L		Ser
95	6219-0	Pork IgE Ab [Units/volume] in Serum	Allergy	917	k[IU]/L	kIU/L		Ser
96	6220-8	Potato IgE Ab [Units/volume] in Serum	Allergy	1669	k[IU]/L	kIU/L		Ser
97	7632-3	Privet IgE Ab [Units/volume] in Serum	Allergy	1766	k[IU]/L	kIU/L		Ser
98	6222-4	Queen Palm IgE Ab [Units/volume] in Serum	Allergy	1487	k[IU]/L	kIU/L		Ser
99	6230-7	Rice IgE Ab [Units/volume] in Serum	Allergy	1497	k[IU]/L	kIU/L		Ser
100	6233-1	Rough Pigweed IgE Ab [Units/volume] in Serum	Allergy	936	k[IU]/L	kIU/L		Ser
101	6237-2	Salmon IgE Ab [Units/volume] in Serum	Allergy	1619	k[IU]/L	kIU/L		Ser
102	6234-9	Saltwort IgE Ab [Units/volume] in Serum	Allergy	1798	k[IU]/L	kIU/L		Ser
103	7691-9	Scallop IgE Ab [Units/volume] in Serum	Allergy	1211	k[IU]/L	kIU/L		Ser
104	6242-2	Sesame Seed IgE Ab [Units/volume] in Serum	Allergy	1455	k[IU]/L	kIU/L		Ser
105	6244-8	Sheep Sorrel IgE Ab [Units/volume] in Serum	Allergy	916	k[IU]/L	kIU/L		Ser
106	6246-3	Shrimp IgE Ab [Units/volume] in Serum	Allergy	978	k[IU]/L	kIU/L		Ser
107	15283-5	Silver Birch IgE Ab [Units/volume] in Serum	Allergy	1446	k[IU]/L	kIU/L		Ser
108	6248-9	Soybean IgE Ab [Units/volume] in Serum	Allergy	646	k[IU]/L	kIU/L		Ser
109	15568-9	Soybean IgE Ab RAST class in Serum	Allergy	1927				Ser
110	6252-1	Stemphylium botryosum IgE Ab [Units/volume] in Serum	Allergy	841	k[IU]/L	kIU/L		Ser
111	6257-0	Strawberry IgE Ab [Units/volume] in Serum	Allergy	1601	k[IU]/L	kIU/L		Ser
112	15761-0	Sweetgum IgE Ab RAST class in Serum	Allergy	1172				Ser
113	6265-3	Timothy IgE Ab [Units/volume] in Serum	Allergy	935	k[IU]/L	kIU/L		Ser
114	6266-1	Tomato IgE Ab [Units/volume] in Serum	Allergy	1429	k[IU]/L	kIU/L		Ser
115	6270-3	Tuna IgE Ab [Units/volume] in Serum	Allergy	1582	k[IU]/L	kIU/L		Ser

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1	LOINC #	Long Common Name	Class Override	Rank	Example UCUM	Example UCUM Display	Comments	System Adjusted
116	6164-8	Virginia Live Oak IgE Ab [Units/volume] in Serum	Allergy	1371	k[IU]/L	kIU/L		Ser
117	6273-7	Walnut IgE Ab [Units/volume] in Serum	Allergy	922	k[IU]/L	kIU/L		Ser
118	16074-7	Walnut IgE Ab RAST class in Serum	Allergy	1781				Ser
119	6276-0	Wheat IgE Ab [Units/volume] in Serum	Allergy	645	k[IU]/L	kIU/L		Ser
120	16085-3	Wheat IgE Ab RAST class in Serum	Allergy	1921				Ser
121	6278-6	White Ash IgE Ab [Units/volume] in Serum	Allergy	1146	k[IU]/L	kIU/L		Ser
122	41874-9	White Birch IgE Ab [Units/volume] in Serum	Allergy	1025	k[IU]/L	kIU/L		Ser
123	6109-3	White Elm IgE Ab [Units/volume] in Serum	Allergy	1511	k[IU]/L	kIU/L		Ser
124	13183-9	White Elm IgG Ab [Units/volume] in Serum	Allergy	769	k[IU]/L	kIU/L		Ser
125	7407-0	White Hickory IgE Ab [Units/volume] in Serum	Allergy	1020	k[IU]/L	kIU/L		Ser
126	6281-0	White mulberry IgE Ab [Units/volume] in Serum	Allergy	947	k[IU]/L	kIU/L		Ser
127	6189-5	White Oak IgE Ab [Units/volume] in Serum	Allergy	717	k[IU]/L	kIU/L		Ser
128	7291-8	Whole Egg IgE Ab [Units/volume] in Serum	Allergy	891	k[IU]/L	kIU/L		Ser
129	6286-9	Wormwood IgE Ab [Units/volume] in Serum	Allergy	1879	k[IU]/L	kIU/L		Ser
130	Antibacterial susceptibility							

	B	C	E	F	G	H	I	P
1	LOINC #	Long Common Name	Class Override	Rank	Example UCUM	Example UCUM Display	Comments	System Adjusted
131	The statistics for antibiotic susceptibility tests in the Top 2000 list are not as broadly based as most of the other test categories, because antibiotic susceptibilities were available from only one of our 3 sources. LOINC provides codes for antibiotic susceptibility testing based on method used. The four major categories are as follows: 1) A general flavor that does not specify the method of testing used 2) Minimum Inhibitory Concentrations (MIC) 3) Kirby Bauer disc testing (KB) and 4) Gradient strip (Epsilometer test) The general flavor can be used to report results for any of the three more specific approaches assuming that the details regarding the method of testing is provided elsewhere in the result message or in other OBX segments. Some of the antibiotics used to treat tuberculosis are also used to treat more common bacterial infections. LOINC provides specific codes for reporting antibiotic susceptibilities to slow growing Mycobacteria, such as M. tuberculosis, M. avium and M. intracellulare, and these codes should be used for reporting antibiotic susceptibilities for such bacteria. These codes can be identified by the phrase “slow growing mycobacteria” in the method part of the LOINC name. Antibiotic susceptibilities for fast growing mycobacteria can be reported under the same codes as any other bacteria. Resistance in bacteria can also be detected via genetic tests, and such tests will also be found in the ABXBACT class. The names of some of these tests include only the name of the resistance gene being tested for to indicate that resistance gene is present in the bacteria, but not necessarily which bacteria it is. Older genetic tests may identify a resistance without including the gene name in the test name or one of the answers are older. In general, these older tests should be avoided. Examples of resistance gene tests: [LOINC: 75686-6] Bacterial carbapenemase resistance (bla(IMP)) gene [Presence] by Nucleic acid capture and probe detection in Positive blood culture [LOINC: 75684-1] Bacterial carbapenemase resistance (bla(NDM)) gene [Presence] by Nucleic acid capture and probe detection in Positive blood culture [LOINC: 72837-8] Bacterial vancomycin resistance (vanC1) gene [Presence] by Probe and target amplification method [LOINC: 72836-0] Bacterial vancomycin resistance (vanC2+vanC3) genes [Presence] by Probe and target amplification method NOTE: Labs sometimes use the code for "other antibiotics” (Component: Antibiotic XXX) to report infrequently tested antibiotics. We urge laboratories to use a specific code that names a particular antibiotic and avoid the use of non-informative codes like "other antibiotics".						
132	13317-3	Methicillin resistant Staphylococcus aureus [Presence] in Unspecified specimen by Organism specific culture	Antibacterial susceptibility	146				Any
133	18860-7	Amikacin [Susceptibility]	Antibacterial susceptibility	414				Isolate
134	18862-3	Amoxicillin+Clavulanate [Susceptibility]	Antibacterial susceptibility	549				Isolate
135	18864-9	Ampicillin [Susceptibility]	Antibacterial susceptibility	331				Isolate
136	18865-6	Ampicillin+Sulbactam [Susceptibility]	Antibacterial susceptibility	330				Isolate

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1	LOINC #	Long Common Name	Class Override	Rank	Example UCUM	Example UCUM Display	Comments	System Adjusted
137	18868-0	Aztreonam [Susceptibility]	Antibacterial susceptibility	454				Isolate
138	42803-7	Bacteria identified in Isolate	Antibacterial susceptibility	1461				Isolate
139	18878-9	Cefazolin [Susceptibility]	Antibacterial susceptibility	305				Isolate
140	18879-7	Cefepime [Susceptibility]	Antibacterial susceptibility	380				Isolate
141	18886-2	Cefotaxime [Susceptibility]	Antibacterial susceptibility	404				Isolate
142	18887-0	Cefotetan [Susceptibility]	Antibacterial susceptibility	488				Isolate
143	18893-8	Ceftazidime [Susceptibility]	Antibacterial susceptibility	360				Isolate
144	18895-3	Ceftriaxone [Susceptibility]	Antibacterial susceptibility	388				Isolate
145	6998-9	Ceftriaxone [Susceptibility] by Gradient strip	Antibacterial susceptibility	1728				Isolate
146	51724-3	Cefuroxime [Susceptibility]	Antibacterial susceptibility	837				Isolate
147	20460-2	Cefuroxime Oral [Susceptibility] by Minimum inhibitory concentration (MIC)	Antibacterial susceptibility	895				Isolate
148	18903-5	Chloramphenicol [Susceptibility]	Antibacterial susceptibility	1893				Isolate
149	18906-8	Ciprofloxacin [Susceptibility]	Antibacterial susceptibility	317				Isolate
150	18908-4	Clindamycin [Susceptibility]	Antibacterial susceptibility	444				Isolate
151	33333-6	Colistin [Susceptibility] by Gradient strip	Antibacterial susceptibility	1358				Isolate
152	35789-7	Daptomycin [Susceptibility]	Antibacterial susceptibility	1291				Isolate
153	18919-1	Erythromycin [Susceptibility]	Antibacterial susceptibility	434				Isolate
154	31036-7	Gatifloxacin [Susceptibility] by Minimum inhibitory concentration (MIC)	Antibacterial susceptibility	1719				Isolate
155	18928-2	Gentamicin [Susceptibility]	Antibacterial susceptibility	265				Isolate
156	18929-0	Gentamicin.high potency [Susceptibility]	Antibacterial susceptibility	858				Isolate
157	18932-4	Imipenem [Susceptibility]	Antibacterial susceptibility	372				Isolate

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1	LOINC #	Long Common Name	Class Override	Rank	Example UCUM	Example UCUM Display	Comments	System Adjusted
158	20629-2	Levofloxacin [Susceptibility]	Antibacterial susceptibility	300				Isolate
159	33332-8	Linezolid [Susceptibility] by Gradient strip	Antibacterial susceptibility	1262				Isolate
160	18943-1	Meropenem [Susceptibility]	Antibacterial susceptibility	373				Isolate
161	18955-5	Nitrofurantoin [Susceptibility]	Antibacterial susceptibility	336				Isolate
162	23658-8	Other Antibiotic [Susceptibility]	Antibacterial susceptibility	123			Labs sometimes use the code for "other antibiotics". It is typically used by laboratories to report infrequently tested antibiotics. We urge laboratories to use a specific code that names a particular antibiotic and avoid the use of non-informative codes like "other antibiotics".	Isolate
163	18961-3	Oxacillin [Susceptibility]	Antibacterial susceptibility	419				Isolate
164	18964-7	Penicillin [Susceptibility]	Antibacterial susceptibility	453				Isolate
165	7041-7	Penicillin G [Susceptibility] by Gradient strip	Antibacterial susceptibility	1641				Isolate
166	7042-5	Penicillin V [Susceptibility] by Gradient strip	Antibacterial susceptibility	1641				Isolate
167	18965-4	Penicillin G [Susceptibility]	Antibacterial susceptibility	551				Isolate
168	18969-6	Piperacillin [Susceptibility]	Antibacterial susceptibility	411				Isolate
169	18970-4	Piperacillin+Tazobactam [Susceptibility]	Antibacterial susceptibility	361				Isolate
170	18974-6	Rifampin [Susceptibility]	Antibacterial susceptibility	616				Isolate
171	18983-7	Streptomycin.high potency [Susceptibility]	Antibacterial susceptibility	879				Isolate
172	18993-6	Tetracycline [Susceptibility]	Antibacterial susceptibility	393				Isolate
173	18996-9	Tobramycin [Susceptibility]	Antibacterial susceptibility	396				Isolate
174	18998-5	Trimethoprim+Sulfamethoxazole [Susceptibility]	Antibacterial susceptibility	253				Isolate
175	19000-9	Vancomycin [Susceptibility]	Antibacterial susceptibility	350				Isolate
176	7059-9	Vancomycin [Susceptibility] by Gradient strip	Antibacterial susceptibility	1907				Isolate

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1	LOINC #	Long Common Name	Class Override	Rank	Example UCUM	Example UCUM Display	Comments	System Adjusted
177	35492-8	Methicillin resistant Staphylococcus aureus (MRSA) DNA [Presence] by Probe & target amplification method	Antibacterial susceptibility	406				XXX
178	**Antiviral susceptibility**							
179	If these most frequently reported tests from the original Top 2000+ (or the new ones we added in version 1.4) do not satisfy your requirements, you can find a variety of other HIV susceptibility tests in the full LOINC database. Be aware of the two major styles of reporting viral susceptibilities, and the fact that in general, styles used to report viral mutations are quite inconsistent across and (sometimes) within viral species. One is often described as phenotypic susceptibility. These approaches are like standard bacterial susceptibilities in that they report the degree to which a given antiviral suppresses the growth of the virus in some biologic system. The other is called genotypic susceptibility. This approach examines the genes in the virus, in some cases looking for specific mutations that signal resistance to one or more antiviral drugs, and other cases sequencing much or all of the virus genome to find all of the mutations that might increase resistance. Newer methods may report specific mutations, but they did not make the Top 2000+.						
180	49573-9	HIV genotype [Susceptibility] in Isolate by Genotype method Narrative	Antiviral susceptibility	1188				Isolate
181	33630-5	HIV protease gene mutations detected [Identifier] in Isolate	Antiviral susceptibility	1775				Isolate
182	23641-4	Quinupristin+Dalfopristin [Susceptibility] by Minimum inhibitory concentration (MIC)	Antiviral susceptibility	623				Isolate
183	**Blood bank**							
184	46268-9	ABO & Rh group [Type] in Blood from Blood product unit--after transfusion reaction	Blood bank	1839				^BPU
185	14578-9	ABO group [Type] in Blood from Blood product unit	Blood bank	354				^BPU
186	49540-8	Acid citrate dextrose [Volume] in Blood product unit	Blood bank	1354	mL	mL		^BPU
187	14604-3	Blood group antibodies present [Identifier] in Serum or Plasma from Blood product unit	Blood bank	851				^BPU
188	925-8	Blood product disposition [Type]	Blood bank	144				^BPU
189	931-6	Blood product source [Type]	Blood bank	983				^BPU
190	933-2	Blood product type	Blood bank	185				^BPU
191	936-5	Blood product unit [Identifier]	Blood bank	1431				^BPU
192	934-0	Blood product unit ID [#]	Blood bank	168				^BPU
193	14907-0	Rh [Type] in Blood from Blood product unit	Blood bank	355				^BPU
194	10386-1	Albumin given [Volume]	Blood bank	1754	mL	mL		^Patient
195	19066-0	Blood bank comment	Blood bank	538				^Patient
196	49542-4	Date and time of pheresis procedure	Blood bank	1303				^Patient
197	882-1	ABO & Rh group [Type] in Blood	Blood bank	169				Bld
198	19057-9	ABO & Rh group [Type] in Blood from newborn	Blood bank	637				Bld
199	883-9	ABO group [Type] in Blood	Blood bank	218				Bld
200	1305-2	D Ag [Presence] in Blood	Blood bank	399				Bld
201	14869-2	Pathologist review of Blood tests	Blood bank	1595				Bld
202	10331-7	Rh [Type] in Blood	Blood bank	255				Bld

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1	LOINC #	Long Common Name	Class Override	Rank	Example UCUM	Example UCUM Display	Comments	System Adjusted
203	51892-8	ABO group [Type] in Cord blood	Blood bank	1460				BldCo
204	14906-2	Rh [Type] in Cord blood	Blood bank	1452				BldCo
205	1006-6	Direct antiglobulin test.IgG specific reagent [interpretation] on Red Blood Cells	Blood bank	422				RBC
206	1007-4	Direct antiglobulin test.poly specific reagent [Presence] on Red Blood Cells	Blood bank	1654				RBC
207	888-8	Blood group antibodies identified in Serum or Plasma	Blood bank	1709				Ser/Plas
208	890-4	Blood group antibody screen [Presence] in Serum or Plasma	Blood bank	198				Ser/Plas
209	1003-3	Indirect antiglobulin test.complement specific reagent [Presence] in Serum or Plasma	Blood bank	227				Ser/Plas
210	1250-0	Major crossmatch [interpretation]	Blood bank	247				Ser/Plas
211	38168-1	Major crossmatch [interpretation] by Low ionic strenght saline (LISS)	Blood bank	1925				Ser/Plas
212	50970-3	XXX blood group Ab [Titer] in Serum or Plasma by Antihuman globulin	Blood bank	1802	{titer}	titer		Ser/Plas
213	Body measurements							
214	8277-6	Body surface area	Body measurements	1951	m2	m2		^Patient
215	8310-5	Body temperature	Body measurements	138	Cel	Cel		^Patient
216	29463-7	Body weight	Body measurements	593	kg	kg		^Patient
217	3141-9	Body weight Measured	Body measurements	1170	[lb_av]	[lb_av]		^Patient
218	8338-6	Body weight Measured --ante partum	Body measurements	1164	[lb_av]	lb_av		^Patient
219	Cell markers							

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1	LOINC #	Long Common Name	Class Override	Rank	Example UCUM	Example UCUM Display	Comments	System Adjusted
220	Cell markers, including the cluster of differentiation (CD) and other special markers (more than 300 of them), are used to identify specific cell populations. At present these are mostly used in the diagnosis, classification, and management of immune deficiencies and hematologic malignancies. The most commonly measured cell marker is CD4, which identifies helper T-cells that are destroyed by HIV infections. Flow cytometry identifies cells based on the presence of fluorescent tagged antibodies and physical characteristics (e.g., reflectivity) of the cells as they flow past sensors. An alternative, but less commonly used, method is to paint slices of tissue specimens with the same or analogous fluorescent antibodies and visualize the fluorescent signals under a microscope. The plus after a cell marker name indicates that the marker is present on the cell. A minus indicates that it is absent. LOINC Components for cells with single markers typically do not include a plus or minus sign after the marker because flow cytometry labs do not report single CD marker-negative results. So when the single marker is reported, the plus is implied. For example, Cells.CD4 means Cells.CD4+, and Cells.CD3-CD8-CD57+ means cells that have the CD57 cell marker but do not have CD3 or CD8. The mapping of cell marker test results to LOINC codes can be challenging for a number of reasons. Firstly, the same cell types can be named differently. For example, “T-cell CD4+” means the same thing as “Lymphocytes CD3+CD4+” and “T4 cells”. The presence of the CD45 marker defines the cell as a lymphocyte, the CD3 marker further defines it as a T lymphocyte, and the addition of CD4 specifies it as a helper T lymphocyte. However, most often the presence of the CD45 marker is not explicitly included in the name of a specific lymphocyte subpopulation, because, for example, its presence is implied by the presence of CD3 and CD4. This problem applies to many cell types because one lab may specify the base cell by name and another by the cell marker pattern that identifies that cell type. Worse, in some cases the laboratories omit the name of the base cell type and report CD3+ CD4+ cells as “Cells CD4+” or “CD4 count”. In LOINC, we tend to identify cells by cell markers, often with the cell type as a synonym within parentheses. For example, [LOINC: 24467-3] CD3+CD4+ (T4 helper) cells [#/volume] in Blood”. A second general problem is that flow cytometers have gating criteria which narrow the focus to one or a few cell types, and the gating criteria are not always clearly specified in the report. You can, however, safely assume that for tests for immunocompetence, the focus will be lymphocytes with gating based on the CD45+ marker and reflectance characteristics. Further, when reporting fractions in immunocompetence testing, the denominator will usually be total lymphocytes. In general, LOINC terms for immunocompetence testing use “100 cells” as the divisor, which implies 100 lymphocytes. When more specific cell populations are used for gating, such as T-cells or some other cell type, we will usually be more explicit in the denominator. Tests for cell markers in patients with hematologic malignancies such as leukemia and lymphoma may focus on very specific cell types and use more cell markers, the details of which will be included in the LOINC Component. For example, the Component of [LOINC: 73810-4] is Cells.CD3-CD16+CD56+HLA-DR+/100 cells.CD3-CD16+CD56+.							
221	20402-4	CD16+CD56+ cells [#/volume] in Blood	Cell markers	1410	{#}/uL	#/uL		Bld
222	18267-5	CD16+CD56+ cells/100 cells in Blood	Cell markers	1406	%	%		Bld
223	8116-6	CD19 cells [#/volume] in Blood	Cell markers	1127	{#}/uL	#/uL	B-cells	Bld
224	8117-4	CD19 cells/100 cells in Blood	Cell markers	868	%	%	B-cells	Bld
225	17122-3	CD19+Kappa+ cells/100 cells in Blood	Cell markers	1612	%	%		Bld
226	17123-1	CD19+Lambda+ cells/100 cells in Blood	Cell markers	1634	%	%		Bld
227	9557-0	CD2 cells [#/volume] in Blood	Cell markers	1547	{#}/uL	#/uL		Bld
228	8118-2	CD2 cells/100 cells in Blood	Cell markers	1523	%	%		Bld
229	8122-4	CD3 cells [#/volume] in Blood	Cell markers	427	{#}/uL	#/uL	T-cells all kind	Bld

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1	LOINC #	Long Common Name	Class Override	Rank	Example UCUM	Example UCUM Display	Comments	System Adjusted
230	8124-0	CD3 cells/100 cells in Blood	Cell markers	383	%	%	T-cells all kind	Bld
231	24467-3	CD3+CD4+ (T4 helper) cells [#/volume] in Blood	Cell markers	515	{#}/uL	#/uL	CD3 as well as CD4 required to identify CD4 T-cells (CD4 helper cell)	Bld
232	8123-2	CD3+CD4+ (T4 helper) cells/100 cells in Blood	Cell markers	377	%	%	CD3 as well as CD4 required to identify CD4 T-cells (CD4 helper cell)	Bld
233	54218-3	CD3+CD4+ (T4 helper) cells/CD3+CD8+ (T8 suppressor cells) cells [# Ratio] in Blood	Cell markers	362	%	%	Need CD3 as well as CD4 and CD3 as well as CD8 to accurately identify ratio of CD4 T cell to CD8 T cell	Bld
234	14135-8	CD3+CD8+ (T8 suppressor cells) cells [#/volume] in Blood	Cell markers	441	{#}/uL	#/uL	CD3 as well as CD4 required to identify CD4 T-cells (CD4 helper cell)	Bld
235	8101-8	CD3+CD8+ (T8 suppressor cells) cells/100 cells in Blood	Cell markers	397	%	%	CD3 as well as CD4 required to identify CD4 T-cells (CD4 helper cell)	Bld
236	8112-5	CD3-CD16+CD56+ (Natural killer) cells/100 cells in Blood	Cell markers	944	%	%	NK cells - note that CD3- means they do not show CD3 markers	Bld
237	8130-7	CD45 (Lymphs) cells/100 cells in Blood	Cell markers	955	%	%	CD45 marker identifies lymphocytes in flow cytometry	Bld
238	27071-0	CD45 cells [#/volume] in Blood	Cell markers	2006	{#}/uL	{#}/uL	CD45 markers - along with special beads are used to determine the absolute lymphocyte count by some laboratories. (Others use the total lymphocyte count from the CBC).	Bld
239	13337-1	CD8+HLA-DR+ cells/100 cells in Blood	Cell markers	1735	%	%		Bld
240	20593-0	CD19 cells/100 cells in Unspecified specimen	Cell markers	1313	%	%		XXX
241	49835-2	CD19+IgD+ cells/100 cells in Unspecified specimen	Cell markers	1738	%	%		XXX
242	32515-9	CD3+CD4+ (T4 helper) cells [#/volume] in Unspecified specimen	Cell markers	602	{#}/uL	#/uL	CD3 as well as CD4 required to identify CD4 T-cells (CD4 helper cell)	XXX

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1	LOINC #	Long Common Name	Class Override	Rank	Example UCUM	Example UCUM Display	Comments	System Adjusted
243	Chem							
244	The statistics for this database were all derived from US laboratories. Most of the chemistry tests in the US, as well as drug toxicology and others, are reported in mass units such as mg/dL or mg/gm, depending on the material being examined. In many other countries, the same test would be reported in molar units (e.g., mmol/mL). LOINC has one code for reporting a given analyte in molar units and a different code for reporting as a mass concentration. To assist countries who more likely report equivalent tests in molar units, we have also developed an SI version for the Top 2000+.							
245	2159-2	Creatinine [Mass/volume] in Amniotic fluid	Chem	1908	mg/dL	mg/dL		Amnio fld
246	31100-1	Hematocrit [Volume Fraction] of Blood by Impedance	Chem	164	%	%	Chemistry instruments (in constrast to automated cell counters) report a hematocrit based on an impedence (conductance) measure that take the serum sodium concentration into account. So this is the measure that is reported by most POC, blood gas, and other chemistry instruments that report hematocrit measurements.	Bld
247	53835-5	1,5-Anhydroglucitol [Mass/volume] in Serum or Plasma	Chem	1998	ug/mL	ug/mL		Bld*/Ser/Plas
248	1668-3	17-Hydroxyprogesterone [Mass/volume] in Serum or Plasma	Chem	850	ng/dL	ng/dL		Bld*/Ser/Plas
249	30193-7	Acylcarnitine/Carnitine.free (C0) [Molar ratio] in Serum or Plasma	Chem	1597	{ratio}	ratio		Bld*/Ser/Plas
250	1721-0	Adenosine triphosphate [Mass/volume] in Blood	Chem	1000	ng/mL	ng/mL		Bld*/Ser/Plas
251	20636-7	Alanine [Moles/volume] in Serum or Plasma	Chem	1831	umol/L	umol/L		Bld*/Ser/Plas
252	1742-6	Alanine aminotransferase [Enzymatic activity/volume] in Serum or Plasma	Chem	16	U/L	U/L		Bld*/Ser/Plas
253	1751-7	Albumin [Mass/volume] in Serum or Plasma	Chem	20	g/dL	g/dL		Bld*/Ser/Plas
254	1759-0	Albumin/Globulin [Mass ratio] in Serum or Plasma	Chem	60	{ratio}	ratio		Bld*/Ser/Plas
255	1761-6	Aldolase [Enzymatic activity/volume] in Serum or Plasma	Chem	695	mU/mL	mU/mL		Bld*/Ser/Plas
256	1763-2	Aldosterone [Mass/volume] in Serum or Plasma	Chem	774	ng/dL	ng/dL		Bld*/Ser/Plas
257	6768-6	Alkaline phosphatase [Enzymatic activity/volume] in Serum or Plasma	Chem	23	U/L	U/L		Bld*/Ser/Plas
258	1777-2	Alkaline phosphatase.bone [Enzymatic activity/volume] in Serum or Plasma	Chem	1850	U/L	U/L		Bld*/Ser/Plas
259	15013-6	Alkaline phosphatase.bone/Alkaline phosphatase.total in Serum or Plasma	Chem	1666	%	%		Bld*/Ser/Plas
260	15014-4	Alkaline phosphatase.intestinal/Alkaline phosphatase.total in Serum or Plasma	Chem	1783	%	%		Bld*/Ser/Plas
261	1779-8	Alkaline phosphatase.liver [Enzymatic activity/volume] in Serum or Plasma	Chem	1919	U/L	U/L		Bld*/Ser/Plas
262	15015-1	Alkaline phosphatase.liver/Alkaline phosphatase.total in Serum or Plasma	Chem	1664	%	%		Bld*/Ser/Plas
263	1825-9	Alpha 1 antitrypsin [Mass/volume] in Serum or Plasma	Chem	854	mg/dL	mg/dL		Bld*/Ser/Plas

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1	LOINC #	Long Common Name	Class Override	Rank	Example UCUM	Example UCUM Display	Comments	System Adjusted
264	53962-7	Alpha-1-fetoprotein.tumor marker [Mass/volume] in Serum or Plasma	Chem	746	ng/mL	ng/mL		Bld*/Ser/Plas
265	22763-7	Ammonia [Mass/volume] in Plasma	Chem	366	mcg/dL	mcg/dL	Almost all laboratories name this "ammonia" but given the range of possible human pH, NH3 (ammonia) actually exists in the form of NH4+ (ammonium ion), and some labs might use the more precisea name. Most laboratories report this measurement in molar units [LOINC: 16362-6], but some do report it as a mass concentration. Plasma is the recommended specimen.	Bld*/Ser/Plas
266	16362-6	Ammonia [Moles/volume] in Plasma	Chem	367			Almost all laboratories name this "ammonia" but given the range of possible human pH, NH3 (ammonia) actually exists in the form of NH4+ (ammonium ion), and some labs might use the more precisea name. Most laboratories report this measurement in molar units, but some do report it as a mass concentration [LOINC: 22763-7]. Plasma is the recommended specimen.	Bld*/Ser/Plas
267	1798-8	Amylase [Enzymatic activity/volume] in Serum or Plasma	Chem	152	U/L	U/L		Bld*/Ser/Plas
268	24125-7	Androgen free Index in Serum or Plasma	Chem	1566	%	%	Formula = [testosterone total / sex hormone binding globulin (SHBG)] x 100	Bld*/Ser/Plas
269	1848-1	Androstanolone [Mass/volume] in Serum or Plasma	Chem	1580	pg/mL	pg/mL		Bld*/Ser/Plas
270	1854-9	Androstenedione [Mass/volume] in Serum or Plasma	Chem	1253	ng/mL	ng/mL		Bld*/Ser/Plas
271	1857-2	Angiotensin converting enzyme [Enzymatic activity/volume] in Blood	Chem	1299	U/L	U/L		Bld*/Ser/Plas
272	2742-5	Angiotensin converting enzyme [Enzymatic activity/volume] in Serum or Plasma	Chem	730	U/L	U/L		Bld*/Ser/Plas
273	**Anion Gap** Anion gap can be calculated two ways: 1) By subtracting the sum of the chloride and bicarbonate concentration from the sum of sodium and potassium concentration in a particular fluid—usually serum or plasma. LOINC calls this Anion Gap 4 [LOINC: 1863-0]. 2) By using a calculation that ignores potassium, i.e., the sum of the chloride and bicarbonate concentration minus the sodium concentration. LOINC calls this Anion Gap 3 [LOINC: 10466-1]. Because Anion Gap 4 includes potassium, its value will on average be 3-5 mmol/L larger than Anion Gap 3. Anion Gap 4 has a normal range 10-20 mmol/L, compared to 8-16 mmol/L for Anion Gap 3. Laboratories in the US tend to favor Anion Gap 3 in their reporting; however, they rarely include anything in the name that signals whether it is a Gap 3 or Gap 4, so you will have to look at the normal range reported with a particular lab's Anion Gap test in order to choose the appropriate LOINC code.							
274	10466-1	Anion gap 3 in Serum or Plasma	Chem	37	mmol/L	mmol/L		Bld*/Ser/Plas
275	1863-0	Anion gap 4 in Serum or Plasma	Chem	455	mmol/L	mmol/L		Bld*/Ser/Plas

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1	LOINC #	Long Common Name	Class Override	Rank	Example UCUM	Example UCUM Display	Comments	System Adjusted
276	33037-3	Anion gap in Serum or Plasma	Chem	118	mmol/L	mmol/L		Bld*/Ser/Plas
277	1869-7	Apolipoprotein A-I [Mass/volume] in Serum or Plasma	Chem	1261	g/L	g/L		Bld*/Ser/Plas
278	13462-7	Apolipoprotein A-I/Apolipoprotein B [Mass ratio] in Serum or Plasma	Chem	1693	{ratio}	ratio		Bld*/Ser/Plas
279	1884-6	Apolipoprotein B [Mass/volume] in Serum or Plasma	Chem	889	mg/dL	mg/dL		Bld*/Ser/Plas
280	1871-3	Apolipoprotein B-100 [Mass/volume] in Serum or Plasma	Chem	772	mg/dL	mg/dL		Bld*/Ser/Plas
281	20637-5	Arginine [Moles/volume] in Serum or Plasma	Chem	1883	umol/L	umol/L		Bld*/Ser/Plas
282	1903-4	Ascorbate [Mass/volume] in Serum or Plasma	Chem	1447	mg/dL	mg/dL		Bld*/Ser/Plas
283	20638-3	Asparagine [Moles/volume] in Serum or Plasma	Chem	1910	umol/L	umol/L		Bld*/Ser/Plas
284	1920-8	Aspartate aminotransferase [Enzymatic activity/volume] in Serum or Plasma	Chem	19	U/L	U/L		Bld*/Ser/Plas
285	6873-4	Beta hydroxybutyrate [Moles/volume] in Serum or Plasma	Chem	1670	mmol/L	mmol/L		Bld*/Ser/Plas
286	1952-1	Beta-2-Microglobulin [Mass/volume] in Serum	Chem	783	ug/mL	ug/mL		Bld*/Ser/Plas
287	1959-6	Bicarbonate [Moles/volume] in Blood	Chem	120	mmol/L	mmol/L		Bld*/Ser/Plas
288	1968-7	Bilirubin.direct [Mass/volume] in Serum or Plasma	Chem	82	mg/dL	mg/dL		Bld*/Ser/Plas
289	1971-1	Bilirubin.indirect [Mass/volume] in Serum or Plasma	Chem	125	mg/dL	mg/dL		Bld*/Ser/Plas
290	1975-2	Bilirubin.total [Mass/volume] in Serum or Plasma	Chem	21	mg/dL	mg/dL	Total bilirubin = direct + indirect.	Bld*/Ser/Plas
291	1986-9	C peptide [Mass/volume] in Serum or Plasma	Chem	701	ng/mL	ng/mL		Bld*/Ser/Plas
292	1988-5	C reactive protein [Mass/volume] in Serum or Plasma	Chem	154	mg/dL	mg/dL	Low sensitivity CRP is used to assess severity of inflammatory diseases such as rheumatoid arthritis.	Bld*/Ser/Plas
293	30522-7	C reactive protein [Mass/volume] in Serum or Plasma by High sensitivity method	Chem	348	mg/L	mg/L	High sensitivity CRP is used to assess cardiovascular risk.	Bld*/Ser/Plas
294	11039-5	C reactive protein [Presence] in Serum or Plasma	Chem	1281			More often reported as the quantitative term [LOINC: 1988-5].	Bld*/Ser/Plas
295	1992-7	Calcitonin [Mass/volume] in Serum or Plasma	Chem	1605	ng/L	ng/L		Bld*/Ser/Plas

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1	LOINC #	Long Common Name	Class Override	Rank	Example UCUM	Example UCUM Display	Comments	System Adjusted
296	**Calcium** Take care to choose a calcium LOINC code that is compatible with your reporting units. For example, in the US, calcium is usually reported in mass units, while in other countries, it is more commonly reported in molar units. More common in the US: [LOINC: 17861-6] Calcium [Mass/volume] in Serum or Plasma More common in other countries: [LOINC: 2000-8] Calcium [Moles/volume] in Serum or Plasma In contrast, ionized calcium is more commonly reported in molar units, even in the US, and can be measured in serum/plasma or in whole blood (from blood gas instruments): More common in the US: [LOINC: 1995-0] Calcium.ionized [Moles/volume] in Serum or Plasma More common in the US: [LOINC: 1994-3] Calcium.ionized [Moles/volume] in Blood Less common in the US: [LOINC: 17863-2] Calcium.ionized [Mass/volume] in Serum or Plasma Compared to plain calcium, measuring the ionized calcium requires a more expensive procedure and has more stringent preparation and handling requirements, including anaerobic venipuncture without tourniquet use, avoidance of heparin contamination and immediate icing. Clase et al [PMID: 11071975] criticized the estimation of ionized calcium by formula [LOINC: 13959-2] because it did not predict the true value of ionized calcium as well as the routinely measured calcium. However, the estimated Ionized Calcium did not make the Top 2000+; so for the purpose of this report, it is moot. The ionized calcium result is not consistent when the sample has a pH significantly different from 7.4, which can occur with delayed specimen processing or exposure to air. Thus, many recommend reporting ionized calcium normalized to pH 7.4. We have several LOINC codes for reporting normalized ionized calcium, but they are not in the Top 2000+.						
297	17861-6	Calcium [Mass/volume] in Serum or Plasma	Chem	12	mg/dL	mg/dL		Bld*/Ser/Plas
298	29265-6	Calcium [Moles/volume] corrected for albumin in Serum or Plasma	Chem	237	mmol/L	mmol/L	Check to be sure units are molar before mapping	Bld*/Ser/Plas
299	17864-0	Calcium.ionized [Mass/volume] in Serum or Plasma by Ion-selective membrane electrode (ISE)	Chem	1045	mg/dL	mg/dL		Bld*/Ser/Plas
300	1994-3	Calcium.ionized [Moles/volume] in Blood	Chem	130	mmol/L	mmol/L		Bld*/Ser/Plas
301	1995-0	Calcium.ionized [Moles/volume] in Serum or Plasma	Chem	182	mmol/L	mmol/L		Bld*/Ser/Plas
302	2006-5	Cancer Ag 125 [Presence] in Serum or Plasma	Chem	800			Usually reported as a quantitative test in ser/plas [LOINC 10334-1].	Bld*/Ser/Plas
303	10334-1	Cancer Ag 125 [Units/volume] in Serum or Plasma	Chem	430	[arb'U] /mL	[arb'U] /mL		Bld*/Ser/Plas
304	6875-9	Cancer Ag 15-3 [Units/volume] in Serum or Plasma	Chem	734	[arb'U] /mL	[arb'U] /mL		Bld*/Ser/Plas
305	24108-3	Cancer Ag 19-9 [Units/volume] in Serum or Plasma	Chem	677	[arb'U] /mL	[arb'U] /mL		Bld*/Ser/Plas
306	17842-6	Cancer Ag 27-29 [Units/volume] in Serum or Plasma	Chem	601	[arb'U] /mL	[arb'U] /mL		Bld*/Ser/Plas
307	20565-8	Carbon dioxide, total [Moles/volume] in Blood	Chem	143	mmol/L	mmol/L	POC or blood gas instrument	Bld*/Ser/Plas
308	2028-9	Carbon dioxide, total [Moles/volume] in Serum or Plasma	Chem	7	mmol/L	mmol/L		Bld*/Ser/Plas
309	2039-6	Carcinoembryonic Ag [Mass/volume] in Serum or Plasma	Chem	312	ug/L	ug/L	Tumor marker	Bld*/Ser/Plas
310	14288-5	Carnitine [Moles/volume] in Serum or Plasma	Chem	1409	umol/L	umol/L	Also called total carnitine	Bld*/Ser/Plas
311	19074-4	Carnitine esters [Moles/volume] in Serum or Plasma	Chem	1632	umol/L	umol/L		Bld*/Ser/Plas
312	14286-9	Carnitine free (C0) [Moles/volume] in Serum or Plasma	Chem	1418	umol/L	umol/L		Bld*/Ser/Plas
313	2064-4	Ceruloplasmin [Mass/volume] in Serum or Plasma	Chem	777	mg/dL	mg/dL		Bld*/Ser/Plas

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1	LOINC #	Long Common Name	Class Override	Rank	Example UCUM	Example UCUM Display	Comments	System Adjusted
314	2069-3	Chloride [Moles/volume] in Blood	Chem	295	mmol/L	mmol/L	POC test	Bld*/Ser/Plas
315	2075-0	Chloride [Moles/volume] in Serum or Plasma	Chem	8	mmol/L	mmol/L		Bld*/Ser/Plas
316	1990-1	Cholecalciferol (Vit D3) [Mass/volume] in Serum or Plasma	Chem	390	ng/mL	ng/mL		Bld*/Ser/Plas
317	2093-3	Cholesterol [Mass/volume] in Serum or Plasma	Chem	32	mg/dL	mg/dL		Bld*/Ser/Plas
318	2085-9	Cholesterol in HDL [Mass/volume] in Serum or Plasma	Chem	38	mg/dL	mg/dL		Bld*/Ser/Plas
319	2095-8	Cholesterol in HDL/Cholesterol.total [Mass ratio] in Serum or Plasma	Chem	465	{ratio}	ratio		Bld*/Ser/Plas
320	2087-5	Cholesterol in IDL [Mass/volume] in Serum or Plasma	Chem	763	mg/dL	mg/dL		Bld*/Ser/Plas
321	50194-0	Cholesterol in IDL+Cholesterol in VLDL 3 [Mass/volume] in Serum or Plasma	Chem	764	mg/dL	mg/dL		Bld*/Ser/Plas
322	**Cholesterol LDL** Be careful when mapping Cholesterol LDL results to LOINC codes. There are two terms that represent the LDL concentration calculated by an equation: [LOINC: 13457-7] for mass/volume and [LOINC: 39469-2] for moles/volume. These are NOT the directly measured LDL value. The equation is: LDL = total cholesterol - HDL - (Triglycerides x .20) Calculated LDL is the one included in the routine lipid panel that is reimbursed by CMS and is the most commonly reported LDL in the US. It can only be produced in the context of a lipid panel because it needs the other measures that are included in that panel for its calculation. Laboratories often call this “LDL calc” or “LDL calculated” to distinguish it from a directly measured value, which is typically called LDL direct. But, you cannot always count on seeing those clues in the test name. The LOINC terms for LDL direct are [LOINC: 18262-6] for mass/volume and [LOINC: 69419-0] for moles/volume. If an LDL is reported alone (without total cholesterol, HDL or triglycerides) it is most likely an LDL direct regardless of its name. LDL direct can also be included in the lipid panel that also contains the LDL calculated, but at an additional charge. LOINC provides a third kind of term that does not distinguish between the directly measured and calculated version. There is one Cholesterol in LDL in Serum or Plasma flavor for mass/volume [LOINC: 2089-1] and another for moles/volume [LOINC: 22748-8]. You should only map to this general code when you cannot tell whether the test in question is derived (calculated) from other measures or is measured directly.							
323	2089-1	Cholesterol in LDL [Mass/volume] in Serum or Plasma	Chem	92	mg/dL	mg/dL		Bld*/Ser/Plas
324	13457-7	Cholesterol in LDL [Mass/volume] in Serum or Plasma by calculation	Chem	63	mg/dL	mg/dL		Bld*/Ser/Plas
325	18262-6	Cholesterol in LDL [Mass/volume] in Serum or Plasma by Direct assay	Chem	249	mg/dL	mg/dL		Bld*/Ser/Plas
326	47213-4	Cholesterol in LDL real size pattern [Identifier] in Serum or Plasma	Chem	761				Bld*/Ser/Plas
327	11054-4	Cholesterol in LDL/Cholesterol in HDL [Mass ratio] in Serum or Plasma	Chem	135	{ratio}	ratio		Bld*/Ser/Plas
328	2091-7	Cholesterol in VLDL [Mass/volume] in Serum or Plasma	Chem	219	mg/dL	mg/dL		Bld*/Ser/Plas
329	13458-5	Cholesterol in VLDL [Mass/volume] in Serum or Plasma by calculation	Chem	68	mg/dL	mg/dL		Bld*/Ser/Plas
330	46986-6	Cholesterol in VLDL 3 [Mass/volume] in Serum or Plasma	Chem	765	mg/dL	mg/dL		Bld*/Ser/Plas

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1	LOINC #	Long Common Name	Class Override	Rank	Example UCUM	Example UCUM Display	Comments	System Adjusted
331	43396-1	Cholesterol non HDL [Mass/volume] in Serum or Plasma	Chem	289	mg/dL	mg/dL		Bld*/Ser/Plas
332	9830-1	Cholesterol.total/Cholesterol in HDL [Mass ratio] in Serum or Plasma	Chem	91	{ratio}	ratio		Bld*/Ser/Plas
333	**Choriogonadotropin** The qualitative HCG and Beta HCG tests are pregnancy tests. [LOINC: 2118-8] for HCG is one of the serum pregnancy tests and [LOINC: 2110-5] for Beta HCG is the other. LOINC also includes two analogous urine pregnancy tests. The quantitative tests for HCG [LOINC: 19080-1] and Beta HCG [LOINC: 2111-3] are typically used for purposes other than pregnancy testing, such as diagnosis of ectopic pregnancy or following miscarriage. HCG and Beta HCG used as tumor markers are distinct tests with the word "tumor marker" in the name, because they require different laboratory set-up than the tests used for pregnancy. The tumor marker tests have separate LOINC codes and are not included in the Top 2000+.							
334	2118-8	Choriogonadotropin (pregnancy test) [Presence] in Serum or Plasma	Chem	615			Serum pregnancy test	Bld*/Ser/Plas
335	19080-1	Choriogonadotropin [Units/volume] in Serum or Plasma	Chem	252	m[IU]/mL	mIU/mL		Bld*/Ser/Plas
336	2110-5	Choriogonadotropin.beta subunit (pregnancy test) [Presence] in Serum or Plasma	Chem	477			Serum pregnancy test	Bld*/Ser/Plas
337	2111-3	Choriogonadotropin.beta subunit [Moles/volume] in Serum or Plasma	Chem	311	mmol/L	mmol/L		Bld*/Ser/Plas
338	21198-7	Choriogonadotropin.beta subunit [Units/volume] in Serum or Plasma	Chem	364	m[IU]/mL	mIU/mL		Bld*/Ser/Plas
339	2115-4	Choriogonadotropin.beta subunit free [Moles/volume] in Serum or Plasma	Chem	1065	m[IU]/mL	mIU/mL	Note this test is most commonly reported in m[IU]/mL. Check units carefully before mapping.	Bld*/Ser/Plas
340	30243-0	Choriogonadotropin.intact [Units/volume] in Serum or Plasma	Chem	834	m[IU]/mL	mIU/mL		Bld*/Ser/Plas
341	9811-1	Chromogranin A [Mass/volume] in Serum or Plasma	Chem	1578	ng/mL	ng/mL	Tumor marker for some forms of ovarian cancer	Bld*/Ser/Plas
342	20640-9	Citrulline [Moles/volume] in Serum or Plasma	Chem	1884	umol/L	umol/L		Bld*/Ser/Plas
343	2132-9	Cobalamin (Vitamin B12) [Mass/volume] in Serum	Chem	150	pg/mL	pg/mL		Bld*/Ser/Plas
344	4477-6	Complement C1 esterase inhibitor [Mass/volume] in Serum or Plasma	Chem	1762	mg/dL	mg/dL		Bld*/Ser/Plas
345	4485-9	Complement C3 [Mass/volume] in Serum or Plasma	Chem	436	{CAE'U/L}	CAE/L		Bld*/Ser/Plas
346	4498-2	Complement C4 [Mass/volume] in Serum or Plasma	Chem	437	mg/dL	mg/dL		Bld*/Ser/Plas
347	13088-0	Complement total hemolytic CH100 [Units/volume] in Serum or Plasma	Chem	1865	{CH 100 Units}/mL	CH 100 Units/mL	CH100 is a rapid screening test using plate method that detects 100% lysis.	Bld*/Ser/Plas
348	4532-8	Complement total hemolytic CH50 [Units/volume] in Serum or Plasma	Chem	952	{CH 50 Units}/mL	CH 50 Units/mL	Total hemolytic and CH50 are used interchangeably. We recommend using this term [LOINC: 4532-8] instead of [LOINC: 4531-0] (Complement total hemolytic).	Bld*/Ser/Plas
349	2141-0	Corticotropin [Mass/volume] in Plasma	Chem	816	pg/mL	pg/mL		Bld*/Ser/Plas
350	2143-6	Cortisol [Mass/volume] in Serum or Plasma	Chem	341	ug/dL	ug/dL		Bld*/Ser/Plas
351	9812-9	Cortisol [Mass/volume] in Serum or Plasma --evening specimen	Chem	1875	ug/dL	ug/dL		Bld*/Ser/Plas
352	9813-7	Cortisol [Mass/volume] in Serum or Plasma --morning specimen	Chem	849	ug/dL	ug/dL		Bld*/Ser/Plas

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1	LOINC #	Long Common Name	Class Override	Rank	Example UCUM	Example UCUM Display	Comments	System Adjusted
353	**Creatine Kinase** Creatine kinase (CK) and its isomers CKMM, CKMB, CKBB are enzymes, and they may be reported either in terms of enzymatic activity or mass concentration. Look at the units to distinguish which is being reported. Enzyme concentrations will have units such as U/L, where U is the international symbol for Enzyme units, or mmoles/min/L. Mass concentration of CK will have units of ng/mL. Laboratories usually reserve the names CK and CKMB to mean the enzyme activity and add the word "mass" (as in "CKMB mass") to identify the mass concentration terms. [LOINC: 32673-6] Creatine kinase.MB [Enzymatic activity/volume] in Serum or Plasma [LOINC: 13969-1] Creatine kinase.MB [Mass/volume] in Serum or Plasma In the past, the enzyme concentration of CK and its three isoenzymes were ordered as a panel to help diagnose myocardial infarctions. Today the more common approach is to order CK total as an enzyme concentration and CKMB as a mass concentration; laboratories also report the ratio of these two to assist the clinician's diagnosis. Creatine kinase total, [LOINC: 49136-5], can also be measured as a mass but its use is very rare. Moreover, measurements of serum troponin have tended to displace the CK tests.						
354	2157-6	Creatine kinase [Enzymatic activity/volume] in Serum or Plasma	Chem	90	U/L	U/L		Bld*/Ser/Plas
355	15048-2	Creatine kinase.BB/Creatine kinase.total in Serum or Plasma by Electrophoresis	Chem	1390	%	%		Bld*/Ser/Plas
356	26019-0	Creatine Kinase.macromolecular type 1/Creatine kinase.total in Serum or Plasma	Chem	1396	%	%		Bld*/Ser/Plas
357	26020-8	Creatine Kinase.macromolecular type 2/Creatine kinase.total in Serum or Plasma	Chem	1397	%	%		Bld*/Ser/Plas
358	32673-6	Creatine kinase.MB [Enzymatic activity/volume] in Serum or Plasma	Chem	374	U/L	U/L		Bld*/Ser/Plas
359	13969-1	Creatine kinase.MB [Mass/volume] in Serum or Plasma	Chem	111	ng/mL	ng/mL		Bld*/Ser/Plas
360	49136-5	Creatine kinase.MB/Creatine kinase.total [Ratio] in Serum or Plasma	Chem	211	%	%		Bld*/Ser/Plas
361	20569-0	Creatine kinase.MB/Creatine kinase.total in Serum or Plasma	Chem	297	%	%		Bld*/Ser/Plas
362	12187-1	Creatine kinase.MB/Creatine kinase.total in Serum or Plasma by Electrophoresis	Chem	1391	%	%		Bld*/Ser/Plas
363	15049-0	Creatine kinase.MM/Creatine kinase.total in Serum or Plasma by Electrophoresis	Chem	1392	%	%		Bld*/Ser/Plas
364	38483-4	Creatinine [Mass/volume] in Blood	Chem	283	mg/dL	mg/dL	Blood specimen signals POC test	Bld*/Ser/Plas
365	2160-0	Creatinine [Mass/volume] in Serum or Plasma	Chem	1	mg/dL	mg/dL		Bld*/Ser/Plas
366	35591-7	Creatinine renal clearance predicted by Cockcroft-Gault formula	Chem	303	mL/min	mL/min		Bld*/Ser/Plas
367	15174-6	Cryocrit of Serum by Spun Westergren	Chem	1686	%	%		Bld*/Ser/Plas

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1	LOINC #	Long Common Name	Class Override	Rank	Example UCUM	Example UCUM Display	Comments	System Adjusted
368	11043-7	Cryofibrinogen [Presence] in Plasma	Chem	2007			The presence of cryofibrinogen is usually reported using [LOINC: 11043-7], even though both serum and plasma have to be tested to differentiate the presence of cryofibrinogen (present in plasma only) from cryoglobulin (present in plasma and serum). Testing both serum and plasma for cryoprotein and observing a negative result in serum and a positive result in plasma implies the presence of cryofibrinogen.	Bld*/Ser/Plas
369	5117-7	Cryoglobulin [Presence] in Serum	Chem	1165			Use of plasma specimen in addition to serum permits detection of cryofibrinogenemia. Cooling serum detects only cryoglobulin. To detect cryofibrinogen, one has to test plasma which will detect cryoglobulin and/or cryofibrinogen. Cryofibrinogen is inferred when cold challenge to both serum and plasma only shows an effect on plasma.	Bld*/Ser/Plas
370	12201-0	Cryoglobulin [Presence] in Serum by 1 day cold incubation	Chem	1911			Use of plasma specimen in addition to serum permits detection of cryofibrinogenemia. Cooling serum detects only cryoglobulin. To detect cryofibrinogen, one has to test plasma which will detect cryoglobulin and/or cryofibrinogen. Cryofibrinogen is inferred when cold challenge to both serum and plasma only shows an effect on plasma.	Bld*/Ser/Plas
371	26607-2	Cystathionine [Moles/volume] in Serum or Plasma	Chem	1606	umol/L	umol/L		Bld*/Ser/Plas
372	2193-1	Dehydroepiandrosterone (DHEA) [Mass/volume] in Serum or Plasma	Chem	833	ng/mL	ng/mL		Bld*/Ser/Plas
373	2191-5	Dehydroepiandrosterone sulfate (DHEA-S) [Mass/volume] in Serum or Plasma	Chem	468	ug/mL	ug/mL		Bld*/Ser/Plas
374	2216-0	Dopamine [Mass/volume] in Serum or Plasma	Chem	1764	pg/mL	pg/mL		Bld*/Ser/Plas
375	15061-5	Erythropoietin (EPO) [Units/volume] in Serum or Plasma	Chem	838	[IU]/L	IU/L		Bld*/Ser/Plas
376	2243-4	Estradiol (E2) [Mass/volume] in Serum or Plasma	Chem	231	pg/mL	pg/mL		Bld*/Ser/Plas
377	2254-1	Estrogen [Mass/volume] in Serum or Plasma	Chem	920	pg/mL	pg/mL		Bld*/Ser/Plas
378	2258-2	Estrone (E1) [Mass/volume] in Serum or Plasma	Chem	1123	pg/mL	pg/mL		Bld*/Ser/Plas
379	12215-0	Fatty acids.very long chain [Moles/volume] in Serum or Plasma	Chem	1826	umol/L	umol/L		Bld*/Ser/Plas
380	2276-4	Ferritin [Mass/volume] in Serum or Plasma	Chem	153	ng/mL	ng/mL		Bld*/Ser/Plas
381	2282-2	Folate [Mass/volume] in Blood	Chem	1465	ng/mL	ng/mL		Bld*/Ser/Plas
382	2284-8	Folate [Mass/volume] in Serum or Plasma	Chem	181	ng/mL	ng/mL		Bld*/Ser/Plas
383	15067-2	Follitropin [Units/volume] in Serum or Plasma	Chem	230	[IU]/L	IU/L		Bld*/Ser/Plas

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1	LOINC #	Long Common Name	Class Override	Rank	Example UCUM	Example UCUM Display	Comments	System Adjusted
384	721-1	Free Hemoglobin [Mass/volume] in Plasma	Chem	1917	mg/L	mg/L	All of the major referrence laboratories only report free hemoglobin in plasma, not serum.	Bld*/Ser/Plas
385	4635-9	Free Hemoglobin [Mass/volume] in Serum	Chem	1947	mg/dL	mg/dL	Be sure your laboratory really uses serum as the specimen; most large laboratories only report free hemoglobin in plasma [LOINC: 721-1].	Bld*/Ser/Plas
386	15069-8	Fructosamine [Moles/volume] in Serum or Plasma	Chem	970	umol/L	umol/L		Bld*/Ser/Plas
387	2324-2	Gamma glutamyl transferase [Enzymatic activity/volume] in Serum or Plasma	Chem	190	U/L	U/L		Bld*/Ser/Plas
388	2333-3	Gastrin [Mass/volume] in Serum or Plasma	Chem	1411	pg/mL	pg/mL		Bld*/Ser/Plas
389	2336-6	Globulin [Mass/volume] in Serum	Chem	83	g/dL	g/dL		Bld*/Ser/Plas
390	10834-0	Globulin [Mass/volume] in Serum by calculation	Chem	62	g/L	g/L		Bld*/Ser/Plas
391	48643-1	Glomerular filtration rate/1.73 sq M predicted among blacks by Creatinine-based formula (MDRD)	Chem	30	mL/min/{1.73m2}	mL/min/173m2		Bld*/Ser/Plas
392	48642-3	Glomerular filtration rate/1.73 sq M predicted among non-blacks by Creatinine-based formula (MDRD)	Chem	29	mL/min/{1.73m2}	mL/min/173m2		Bld*/Ser/Plas
393	33914-3	Glomerular filtration rate/1.73 sq M.predicted by Creatinine-based formula (MDRD)	Chem	26	mL/min/{1.73m2}	mL/min/173m2		Bld*/Ser/Plas
394	2339-0	Glucose [Mass/volume] in Blood	Chem	13	mg/dL	mg/dL		Bld*/Ser/Plas
395	2345-7	Glucose [Mass/volume] in Serum or Plasma	Chem	4	mg/dL	mg/dL		Bld*/Ser/Plas
396	27353-2	Glucose mean value [Mass/volume] in Blood Estimated from glycated hemoglobin	Chem	197	mg/dL	mg/dL		Bld*/Ser/Plas
397	20642-5	Glutamate [Moles/volume] in Serum or Plasma	Chem	1890	umol/L	umol/L		Bld*/Ser/Plas
398	20643-3	Glutamine [Moles/volume] in Serum or Plasma	Chem	1830	umol/L	umol/L		Bld*/Ser/Plas
399	20644-1	Glycine [Moles/volume] in Serum or Plasma	Chem	1885	umol/L	umol/L		Bld*/Ser/Plas
400	4542-7	Haptoglobin [Mass/volume] in Serum or Plasma	Chem	596	mg/dL	mg/dL		Bld*/Ser/Plas
401	4548-4	Hemoglobin A1c/Hemoglobin.total in Blood	Chem	81	%	%	Today, all US HbA1c measurements reported in the US and many other countries are standardized to the NGSP protocol and that has been true for years. This code [LOINC: 4548-4] should be used for reporting the HbA1c in the US. Other countries may report HbA1c measured by the IFCC protocol [LOINC: 59261-8], a protocol with results reported in units of mmol/mol. In Japan and parts of Spain it may be measured using the Japanese protocol. All three protocols produce different numeric values	Bld*/Ser/Plas
402	17856-6	Hemoglobin A1c/Hemoglobin.total in Blood by HPLC	Chem	215	%	%	We do not recommend using this term. All HbA1c tests in US and many other countries are standardized to use [LOINC: 4548-4].	Bld*/Ser/Plas
403	20645-8	Histidine [Moles/volume] in Serum or Plasma	Chem	1891	umol/L	umol/L		Bld*/Ser/Plas
404	2428-1	Homocysteine [Mass/volume] in Serum or Plasma	Chem	1310	ug/L	ug/L		Bld*/Ser/Plas
405	13965-9	Homocysteine [Moles/volume] in Serum or Plasma	Chem	358	umol/L	umol/L		Bld*/Ser/Plas

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1	LOINC #	Long Common Name	Class Override	Rank	Example UCUM	Example UCUM Display	Comments	System Adjusted
406	2458-8	IgA [Mass/volume] in Serum	Chem	220	mg/dL	mg/dL		Bld*/Ser/Plas
407	19113-0	IgE [Units/volume] in Serum	Chem	466	k[IU]/L	kIU/L	In contrast to other immunoglobulins, IgE is almost always reported as k[IU]/volume. Double check reporting units. Unless they are mass concentration, you probably want to use this term [LOINC: 19113-0].	Bld*/Ser/Plas
408	2465-3	IgG [Mass/volume] in Serum	Chem	241	mg/dL	mg/dL		Bld*/Ser/Plas
409	2466-1	IgG subclass 1 [Mass/volume] in Serum	Chem	1026	mg/dL	mg/dL		Bld*/Ser/Plas
410	2467-9	IgG subclass 2 [Mass/volume] in Serum	Chem	1040	mg/dL	mg/dL		Bld*/Ser/Plas
411	2468-7	IgG subclass 3 [Mass/volume] in Serum	Chem	1041	mg/dL	mg/dL		Bld*/Ser/Plas
412	2469-5	IgG subclass 4 [Mass/volume] in Serum	Chem	1039	mg/dL	mg/dL		Bld*/Ser/Plas
413	2472-9	IgM [Mass/volume] in Serum	Chem	263	mg/dL	mg/dL		Bld*/Ser/Plas
414	33944-0	Immunoglobulin light chains.lambda.free [Mass/volume] in Serum or Plasma	Chem	535	mg/L	mg/L		Bld*/Ser/Plas
415	20448-7	Insulin [Units/volume] in Serum or Plasma	Chem	392	u[IU]/mL	uIU/mL	(Per Wikipedia http://bit.ly/hohGbq) 1 IU is the biological equivalent of about 45.5 µg pure crystalline insulin (1/22 mg exactly). This corresponds to the old USP insulin unit, first suggested by Frederick Banting et.al. in 1922.	Bld*/Ser/Plas
416	6901-3	Insulin Free [Units/volume] in Serum or Plasma	Chem	1940	u[IU]/mL	uIU/mL		Bld*/Ser/Plas
417	2483-6	Insulin-like growth factor binding protein 3 [Mass/volume] in Serum or Plasma	Chem	1119	ng/mL	ng/mL		Bld*/Ser/Plas
418	2484-4	Insulin-like growth factor-I [Mass/volume] in Serum or Plasma	Chem	614	ng/mL	ng/mL		Bld*/Ser/Plas
419	2498-4	Iron [Mass/volume] in Serum or Plasma	Chem	140	ug/dL	ug/dL		Bld*/Ser/Plas
420	2500-7	Iron binding capacity [Mass/volume] in Serum or Plasma	Chem	157	ug/dL	ug/dL		Bld*/Ser/Plas
421	2501-5	Iron binding capacity.unsaturated [Mass/volume] in Serum or Plasma	Chem	221	ug/dL	ug/dL		Bld*/Ser/Plas
422	2502-3	Iron saturation [Mass Fraction] in Serum or Plasma	Chem	192	%	%		Bld*/Ser/Plas
423	2505-6	Iron/Iron binding capacity.total [Mass ratio] in Serum or Plasma	Chem	490	{ratio}	ratio		Bld*/Ser/Plas
424	20648-2	Isoleucine [Moles/volume] in Serum or Plasma	Chem	1842	umol/L	umol/L		Bld*/Ser/Plas
425	2513-0	Ketones [Presence] in Serum or Plasma	Chem	1276				Bld*/Ser/Plas
426	2518-9	Lactate [Moles/volume] in Arterial blood	Chem	1277	mmol/L	mmol/L		Bld*/Ser/Plas
427	32693-4	Lactate [Moles/volume] in Blood	Chem	475	mmol/L	mmol/L		Bld*/Ser/Plas
428	32133-1	Lactate [Moles/volume] in Plasma venous	Chem	1070	mmol/L	mmol/L		Bld*/Ser/Plas
429	2524-7	Lactate [Moles/volume] in Serum or Plasma	Chem	346	mmol/L	mmol/L		Bld*/Ser/Plas
430	2532-0	Lactate dehydrogenase [Enzymatic activity/volume] in Serum or Plasma	Chem	156	U/L	U/L		Bld*/Ser/Plas
431	21365-2	Leptin [Mass/volume] in Serum or Plasma	Chem	1292	ng/mL	ng/mL		Bld*/Ser/Plas
432	20649-0	Leucine [Moles/volume] in Serum or Plasma	Chem	1843	umol/L	umol/L		Bld*/Ser/Plas
433	3040-3	Lipase [Enzymatic activity/volume] in Serum or Plasma	Chem	139	U/L	U/L		Bld*/Ser/Plas
434	49062-3	Lipid risk factors [Finding]	Chem	766			Part of the proprietary VAP lipid panel.	Bld*/Ser/Plas
435	10835-7	Lipoprotein a [Mass/volume] in Serum or Plasma	Chem	711	mg/dL	mg/dL		Bld*/Ser/Plas

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1	LOINC #	Long Common Name	Class Override	Rank	Example UCUM	Example UCUM Display	Comments	System Adjusted
436	43583-4	Lipoprotein a [Moles/volume] in Serum or Plasma	Chem	1364	nmol/L	nmol/L		Bld*/Ser/Plas
437	10501-5	Lutropin [Units/volume] in Serum or Plasma	Chem	271	m[IU]/mL	mIU/mL		Bld*/Ser/Plas
438	20650-8	Lysine [Moles/volume] in Serum or Plasma	Chem	1904	umol/L	umol/L		Bld*/Ser/Plas
439	19123-9	Magnesium [Mass/volume] in Serum or Plasma	Chem	94	mg/dL	mg/dL		Bld*/Ser/Plas
440	2601-3	Magnesium [Moles/volume] in Serum or Plasma	Chem	78	nmol/L	nmol/L		Bld*/Ser/Plas
441	25473-0	Metanephrine [Moles/volume] in Serum or Plasma	Chem	1833	nmol/L	nmol/L	Metanephrine (singular) is a single compound. Be careful, it's not the same as metanephrines (plural) which = metanephrine (singular) + normetanephrine	Bld*/Ser/Plas
442	38494-1	Metanephrine Free [Mass/volume] in Serum or Plasma	Chem	1812	pg/mL	pg/mL	Metanephrine (singular) is a single compound. Be careful, it's not the same as metanephrines (pleural) which = metanephrine (singular) + normetanephrine	Bld*/Ser/Plas
443	25474-8	Metanephrines [Moles/volume] in Serum or Plasma	Chem	1568	nmol/L	nmol/L	Metanephrine (singular) is a single compound. Be careful, it's not the same as metanephrines (pleural) which = metanephrine (singular) + normetanephrine	Bld*/Ser/Plas
444	20651-6	Methionine [Moles/volume] in Serum or Plasma	Chem	1871	umol/L	umol/L		Bld*/Ser/Plas
445	13964-2	Methylmalonate [Moles/volume] in Serum or Plasma	Chem	657	umol/L	umol/L		Bld*/Ser/Plas
446	38476-8	Mullerian inhibiting substance [Mass/volume] in Serum or Plasma	Chem	1599	ng/mL	ng/mL		Bld*/Ser/Plas
447	2639-3	Myoglobin [Mass/volume] in Serum or Plasma	Chem	496	ng/mL	ng/mL		Bld*/Ser/Plas
448	42637-9	Natriuretic peptide B [Mass/volume] in Blood	Chem	847	pg/mL	pg/mL		Bld*/Ser/Plas
449	30934-4	Natriuretic peptide B [Mass/volume] in Serum or Plasma	Chem	204	pg/mL	pg/mL		Bld*/Ser/Plas
450	33762-6	Natriuretic peptide.B prohormone [Mass/volume] in Serum or Plasma	Chem	516	pg/mL	pg/mL		Bld*/Ser/Plas
451	2669-0	Normetanephrine [Mass/volume] in Serum or Plasma	Chem	1698	pg/mL	pg/mL		Bld*/Ser/Plas
452	25489-6	Normetanephrine [Moles/volume] in Serum or Plasma	Chem	1286	nmol/L	nmol/L		Bld*/Ser/Plas
453	20652-4	Ornithine [Moles/volume] in Serum or Plasma	Chem	1902	umol/L	umol/L		Bld*/Ser/Plas
454	2692-2	Osmolality of Serum or Plasma	Chem	329	mosm/kg	mosm/kg	Represents directly measured osmolality	Bld*/Ser/Plas
455	18182-6	Osmolality of Serum or Plasma by calculation	Chem	1585	mosm/kg	mosm/kg	Represents osmolality calculated from a formula based on sodium, glucose and urea nitrogen concentrations.	Bld*/Ser/Plas
456	2731-8	Parathyrin.intact [Mass/volume] in Serum or Plasma	Chem	240	pg/mL	pg/mL	Note there was also a "biologically intact" PTH [LOINC: 32045-7], which test was discontinued in 2005. The intact PTH is important for confirming removal of parathyroid tumor. Other more specific LOINC codes exist to report the PTH value post surgery	Bld*/Ser/Plas
457	2753-2	pH of Serum or Plasma	Chem	160	[pH]	pH		Bld*/Ser/Plas
458	14875-9	Phenylalanine [Moles/volume] in Serum or Plasma	Chem	1829	umol/L	umol/L		Bld*/Ser/Plas
459	2761-5	Phenylketones [Presence] in Blood	Chem	633				Bld*/Ser/Plas
460	2777-1	Phosphate [Mass/volume] in Serum or Plasma	Chem	69	mg/dL	mg/dL		Bld*/Ser/Plas

	B	C	E	F	G	H	I	P
1	LOINC #	Long Common Name	Class Override	Rank	Example UCUM	Example UCUM Display	Comments	System Adjusted
461	6298-4	Potassium [Moles/volume] in Blood	Chem	106	mmol/L	mmol/L		Bld*/Ser/Plas
462	2823-3	Potassium [Moles/volume] in Serum or Plasma	Chem	3	mmol/L	mmol/L		Bld*/Ser/Plas
463	14338-8	Prealbumin [Mass/volume] in Serum or Plasma	Chem	285	g/dL	g/dL		Bld*/Ser/Plas
464	2837-3	Pregnenolone [Mass/volume] in Serum or Plasma	Chem	1374	ng/dL	ng/dL		Bld*/Ser/Plas
465	2839-9	Progesterone [Mass/volume] in Serum or Plasma	Chem	318	ng/mL	ng/mL		Bld*/Ser/Plas
466	2842-3	Prolactin [Mass/volume] in Serum or Plasma	Chem	290	ng/mL	ng/mL		Bld*/Ser/Plas
467	20655-7	Proline [Moles/volume] in Serum or Plasma	Chem	1892	umol/L	umol/L		Bld*/Ser/Plas
468	**Prostate Specific Antigen** Two Prostate Specific Antigen tests should be distinguished: Routine: [LOINC: 2857-1] Prostate specific Ag [Mass/volume] in Serum or Plasma High sensitivity: [LOINC: 35741-8] Prostate specific Ag [Mass/volume] in Serum or Plasma by Detection limit = 0.01 ng/mL These are both reported in units of ng/mL (or the equivalent ug/L). The first is used for screening and represents the vast majority of the PSA testing. The high sensitivity test is more expensive and should not be used for screening. Its primary use is to verify the success of total prostatectomy. The surgeon who wants to be sure he/she has eliminated all prostate tissue, needs a sensitive assay. Two other measures of PSA are the Free PSA (the amount that is not bound to serum proteins) and the ratio of the free to the total PSA. Codes for both of these terms are available in LOINC, but they are ordered much less frequently than the routine PSA test. There are also terms for PSA measures reported in molar terms for countries that use SI units (as it does for most tests) and some PSA codes for reporting in arbitrary unit concentrations. These arbitrary unit terms are rarely used today.						
469	2857-1	Prostate specific Ag [Mass/volume] in Serum or Plasma	Chem	124	ng/mL	ng/mL		Bld*/Ser/Plas
470	35741-8	Prostate specific Ag [Mass/volume] in Serum or Plasma by Detection limit = 0.01 ng/mL	Chem	934	ug/L	ug/L		Bld*/Ser/Plas
471	10886-0	Prostate Specific Ag Free [Mass/volume] in Serum or Plasma	Chem	554	ng/mL	ng/mL		Bld*/Ser/Plas
472	19201-3	Prostate Specific Ag Free [Units/volume] in Serum or Plasma	Chem	1854				Bld*/Ser/Plas
473	12841-3	Prostate Specific Ag Free/Prostate specific Ag.total in Serum or Plasma	Chem	532	%	%		Bld*/Ser/Plas
474	20420-6	Prostatic acid phosphatase [Mass/volume] in Serum	Chem	1931	ng/mL	ng/mL		Bld*/Ser/Plas
475	2885-2	Protein [Mass/volume] in Serum or Plasma	Chem	22	g/dL	g/dL		Bld*/Ser/Plas
476	2892-8	Protoporphyrin Free [Mass/volume] in Blood	Chem	1751	ug/dL	ug/dL		Bld*/Ser/Plas
477	2900-9	Pyridoxine (Vitamin B6) [Mass/volume] in Serum or Plasma	Chem	1205	ng/mL	ng/mL	Vitamin B6	Bld*/Ser/Plas
478	14121-8	Pyruvate [Moles/volume] in Blood	Chem	1838	mmol/L	mmol/L		Bld*/Ser/Plas
479	2915-7	Renin [Enzymatic activity/volume] in Plasma	Chem	822	ng/mL/h	ng/mL/h		Bld*/Ser/Plas
480	2923-1	Retinol [Mass/volume] in Serum or Plasma	Chem	942	ug/mL	ug/mL		Bld*/Ser/Plas
481	38496-6	Retinyl palmitate [Mass/volume] in Serum or Plasma	Chem	1524	ug/mL	ug/mL		Bld*/Ser/Plas
482	20656-5	Serine [Moles/volume] in Serum or Plasma	Chem	1886	umol/L	umol/L		Bld*/Ser/Plas
483	13967-5	Sex hormone binding globulin [Moles/volume] in Serum or Plasma	Chem	681	nmol/L	nmol/L	Used as denominator in calculation of free androgen index [LOINC: 24125-7]	Bld*/Ser/Plas
484	2947-0	Sodium [Moles/volume] in Blood	Chem	129	mmol/L	mmol/L		Bld*/Ser/Plas
485	2951-2	Sodium [Moles/volume] in Serum or Plasma	Chem	5	mmol/L	mmol/L		Bld*/Ser/Plas

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1	LOINC #	Long Common Name	Class Override	Rank	Example UCUM	Example UCUM Display	Comments	System Adjusted
486	2963-7	Somatotropin [Mass/volume] in Serum or Plasma	Chem	990	ng/mL	ng/mL	Most US referral labs report as ng/mL (this test) not IU/mL.	Bld*/Ser/Plas
487	20657-3	Taurine [Moles/volume] in Serum or Plasma	Chem	1888	umol/L	umol/L		Bld*/Ser/Plas
488	**Testosterone** Testosterone also comes in routine and high sensitivity versions, which can detect levels <= 1.0 ng/dL or <=3.47 pmol/L for the equivalent molar concentration. The routine testosterone is used for most testing purposes. The high sensitivity test is only appropriate for people whose testosterone levels would normally expected to be very low, such as women and men post-orchiectomy. To find abnormal lows in such cases, the test must be super sensitive. Tests are also available for measuring bioavailable testosterone and various ratios of these to the total testosterone but are rare compared to plain testosterone. Be aware of these distinctions when mapping.							
489	2986-8	Testosterone [Mass/volume] in Serum or Plasma	Chem	203	ng/dL	ng/dL		Bld*/Ser/Plas
490	49041-7	Testosterone [Mass/volume] in Serum or Plasma by Detection limit = 1.0 ng/dL	Chem	1740	ng/dL	ng/dL		Bld*/Ser/Plas
491	2991-8	Testosterone Free [Mass/volume] in Serum or Plasma	Chem	325	pg/mL	pg/mL		Bld*/Ser/Plas
492	49042-5	Testosterone Free [Mass/volume] in Serum or Plasma by Detection limit = 1.0 ng/dL	Chem	1753	pg/mL	pg/mL		Bld*/Ser/Plas
493	25987-9	Testosterone Free [Moles/volume] in Serum or Plasma by Radioimmunoassay (RIA)	Chem	1710	mmol/L	mmol/L		Bld*/Ser/Plas
494	15432-8	Testosterone Free/Testosterone.total in Serum or Plasma	Chem	707	%	%		Bld*/Ser/Plas
495	6891-6	Testosterone.bioavailable/Testosterone.total in Serum or Plasma	Chem	1224	%	%		Bld*/Ser/Plas
496	**Thiamine** Thiamine can be measured in serum and in whole blood. LOINC has codes for both of these. Most of the thiamine in circulation is actually contained within the red cells. So whole blood thiamine does not correct rapidly with eating; serum thiamine does. But serum thiamine is much less expensive and therefore it is the more commonly ordered test. Serum thiamine will rarely include the word “serum” in its name. It will be named “thiamine.” The whole blood cell thiamine, on the other hand, will usually include whole blood in its name. It is usually reported as RBC.							
497	2998-3	Thiamine [Mass/volume] in Blood	Chem	1265	ug/dL	ug/dL		Bld*/Ser/Plas
498	2999-1	Thiamine [Mass/volume] in Serum or Plasma	Chem	1439	ug/dL	ug/dL		Bld*/Ser/Plas
499	32554-8	Thiamine [Moles/volume] in Blood	Chem	1306	nmol/L	nmol/L		Bld*/Ser/Plas
500	20468-5	Thiamine [Moles/volume] in Serum or Plasma	Chem	1550	nmol/L	nmol/L		Bld*/Ser/Plas
501	20658-1	Threonine [Moles/volume] in Serum or Plasma	Chem	1887	umol/L	umol/L		Bld*/Ser/Plas
502	3013-0	Thyroglobulin [Mass/volume] in Serum or Plasma	Chem	610	ng/dL	ng/dL		Bld*/Ser/Plas
503	38505-4	Thyroglobulin recovery in Serum or Plasma	Chem	1150	%	%	This is a 2nd phase test after measuring thyroglobulin binding antibodies, which if high triggers this test to see how much TG can be recovered. Only important in rare cases related to thyroid cancer.	Bld*/Ser/Plas
504	30166-3	Thyroid stimulating immunoglobulins actual/normal in Serum	Chem	1099	%{basalactivity}	%basalactivity		Bld*/Ser/Plas

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1	LOINC #	Long Common Name	Class Override	Rank	Example UCUM	Example UCUM Display	Comments	System Adjusted
	Thyrotropin TSH has three codes in LOINC which differ by their detection limits. 1) First generation. [LOINC: 3016-3] Thyrotropin [Units/volume] in Serum or Plasma The so-called first-generation TSH test was of low sensitivity, such that it was not useful for diagnosing or following hyperthyroidism. It is no longer commercially available. LOINC has a code with no specified detection limit that has existed since the first release of LOINC (in 1994). Today you should avoid mapping to it except when you are mapping old TSH tests whose sensitivity cannot be ascertained. 2) Second generation. [LOINC: 11579-0] Thyrotropin [Units/volume] in Serum or Plasma by Detection limit <= 0.05 mIU/L The so-called 2nd generation TSH has a detection limit of <= .05 mIU/L and is now the routine TSH test in most settings (though since the Top 2000 was originally published, the third-generation assay has also come into routine use). It has the advantage over earlier tests in that it can detect both hyperthyroidism (reflected by an abnormally low TSH) and hypothyroidism, reflected by an abnormally high TSH. 3) Third generation. [LOINC: 11580-8] Thyrotropin [Units/volume] in Serum or Plasma by high sensitivity Detection limit <= 0.005 mIU/L A third-generation TSH with a detection limit of <= .005 mIU/L also exists. Labs usually add high sensitivity or ultra-sensitive or 3rd generation to its name. It only offers advantage over the 2nd generation test in special cases. Because of its limited measurement range at the high end, it can require more work (extra dilution steps) to quantify value of very high TSH levels, but it is widely available. LOINC includes codes for TSH tests that are reported in mass concentrations and molar concentrations. However, all current TSH test results are reported as mIU/L (or equivalent). Except in very special circumstances, the only TSH variables to which you should map are [LOINC: 11579-0] and [LOINC: 11580-8].						
505								
506	3016-3	Thyrotropin [Units/volume] in Serum or Plasma	Chem	105	m[IU]/L	mIU/L		Bld*/Ser/Plas
507	11580-8	Thyrotropin [Units/volume] in Serum or Plasma by Detection limit <= 0.005 mIU/L	Chem	165	m[IU]/L	mIU/L		Bld*/Ser/Plas
508	11579-0	Thyrotropin [Units/volume] in Serum or Plasma by Detection limit <= 0.05 mIU/L	Chem	75	m[IU]/L	mIU/L		Bld*/Ser/Plas
509	3026-2	Thyroxine (T4) [Mass/volume] in Serum or Plasma	Chem	145	ug/dL	ug/dL		Bld*/Ser/Plas
	T4 Free Free Thyroxine (T4), the amount of T4 that is not bound to protein, has two types of LOINC codes. One type of code includes no method specificity and is the kind you should use in most cases. See [LOINC: 3024-7] for mass/volume and [LOINC: 14920-3] for moles/volume. The other type of code has the method of "by dialysis". See [LOINC: 6892-4] for mass/volume or [LOINC: 70217-5] for moles/volume. This approach is more expensive and used only in special circumstances, such as when interfering proteins prevent the accurate measure of free T4 by the routine method. Thyroxine free index [LOINC: 32215-6] is the ratio of free T4 to total T4 and is often included along with reports of free and total T4.						
510								
511	3024-7	Thyroxine (T4) free [Mass/volume] in Serum or Plasma	Chem	133	ng/dL	ng/dL		Bld*/Ser/Plas

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1	LOINC #	Long Common Name	Class Override	Rank	Example UCUM	Example UCUM Display	Comments	System Adjusted
512	6892-4	Thyroxine (T4) free [Mass/volume] in Serum or Plasma by Dialysis	Chem	1494	ng/dL	ng/dL		Bld*/Ser/Plas
513	32215-6	Thyroxine (T4) free index in Serum or Plasma	Chem	222	ng/dL	ng/dL	Equals the product of T4 X T3RU	Bld*/Ser/Plas
514	3034-6	Transferrin [Mass/volume] in Serum or Plasma	Chem	809	mg/dL	mg/dL		Bld*/Ser/Plas
515	3043-7	Triglyceride [Mass/volume] in Blood	Chem	1592	mg/dL	mg/dL	This is the POC test; triglyceride is more often measured in serum [LOINC: 2571-8].	Bld*/Ser/Plas
516	2571-8	Triglyceride [Mass/volume] in Serum or Plasma	Chem	36	mg/dL	mg/dL		Bld*/Ser/Plas
517	3053-6	Triiodothyronine (T3) [Mass/volume] in Serum or Plasma	Chem	223	ng/dL	ng/dL		Bld*/Ser/Plas
518	3051-0	Triiodothyronine (T3) Free [Mass/volume] in Serum or Plasma	Chem	274	pg/mL	pg/mL		Bld*/Ser/Plas
519	3052-8	Triiodothyronine (T3).reverse [Mass/volume] in Serum or Plasma	Chem	1057	pg/mL	pg/mL	This test has never proven to be useful for the sick euthyroid syndrome. It is only useful for a very very rare metabolic defect and has fallen out of favor.	Bld*/Ser/Plas
520	3050-2	Triiodothyronine resin uptake (T3RU) in Serum or Plasma	Chem	200	%	%	The only purpose of the T3RU is to calcluate the thyroxine free index [LOINC: 32215-6], which has fallen out of favor because the Free T4 provides the information that is really needed and is more accurate and less expensive than the T3RU.	Bld*/Ser/Plas
521	10839-9	Troponin I.cardiac [Mass/volume] in Serum or Plasma	Chem	113	ng/mL	ng/mL		Bld*/Ser/Plas
522	49563-0	Troponin I.cardiac [Mass/volume] in Serum or Plasma by Detection limit = 0.01 ng/mL	Chem	449	ng/mL	ng/mL		Bld*/Ser/Plas
523	6598-7	Troponin T.cardiac [Mass/volume] in Serum or Plasma	Chem	291	ug/L	ug/L		Bld*/Ser/Plas
524	21582-2	Tryptase [Mass/volume] in Serum or Plasma	Chem	1562	ng/mL	ng/mL		Bld*/Ser/Plas
525	20660-7	Tyrosine [Moles/volume] in Serum or Plasma	Chem	1868	umol/L	umol/L		Bld*/Ser/Plas
526	27923-2	Ubiquinone 10 [Mass/volume] in Serum or Plasma	Chem	1181	ug/mL	ug/mL		Bld*/Ser/Plas
527	3084-1	Urate [Mass/volume] in Serum or Plasma	Chem	142	mg/dL	mg/dL		Bld*/Ser/Plas
528	6299-2	Urea nitrogen [Mass/volume] in Blood	Chem	288	mg/dL	mg/dL	(Usually called BUN) - This is the POC test	Bld*/Ser/Plas
529	3094-0	Urea nitrogen [Mass/volume] in Serum or Plasma	Chem	6	mg/dL	mg/dL	Usually called BUN	Bld*/Ser/Plas
530	11064-3	Urea nitrogen [Mass/volume] in Serum or Plasma --post dialysis	Chem	921	mg/dL	mg/dL	Usually called BUN	Bld*/Ser/Plas
531	11065-0	Urea nitrogen [Mass/volume] in Serum or Plasma --pre dialysis	Chem	931	mg/dL	mg/dL	Usually called BUN	Bld*/Ser/Plas
532	3097-3	Urea nitrogen/Creatinine [Mass ratio] in Serum or Plasma	Chem	55	{ratio}	ratio		Bld*/Ser/Plas
533	20661-5	Valine [Moles/volume] in Serum or Plasma	Chem	1834	umol/L	umol/L		Bld*/Ser/Plas
534	1747-5	Albumin [Mass/volume] in Body fluid	Chem	1032	g/dL	g/dL		Body fld
535	1795-4	Amylase [Enzymatic activity/volume] in Body fluid	Chem	771	U/L	U/L		Body fld
536	1974-5	Bilirubin [Mass/volume] in Body fluid	Chem	1909	mg/dL	mg/dL		Body fld
537	12190-5	Creatinine [Mass/volume] in Body fluid	Chem	1234	mg/dL	mg/dL		Body fld
538	2344-0	Glucose [Mass/volume] in Body fluid	Chem	788	mg/dL	mg/dL		Body fld
539	2529-6	Lactate dehydrogenase [Enzymatic activity/volume] in Body fluid	Chem	807	U/L	U/L		Body fld
540	15212-4	Lipase [Enzymatic activity/volume] in Body fluid	Chem	1322	U/dL	U/dL		Body fld
541	2748-2	pH of Body fluid	Chem	953	[pH]	pH		Body fld
542	2881-1	Protein [Mass/volume] in Body fluid	Chem	704	g/dL	g/dL		Body fld

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1	LOINC #	Long Common Name	Class Override	Rank	Example UCUM	Example UCUM Display	Comments	System Adjusted
543	3093-2	Urea nitrogen [Mass/volume] in Body fluid	Chem	1652	mg/dL	mg/dL		Body fld
544	1746-7	Albumin [Mass/volume] in Cerebral spinal fluid	Chem	1589	mg/dL	mg/dL		CSF
545	2873-8	Gamma globulin [Mass/volume] in Cerebral spinal fluid by Electrophoresis	Chem	1243	mg/dL	mg/dL		CSF
546	2342-4	Glucose [Mass/volume] in Cerebral spinal fluid	Chem	550	mg/dL	mg/dL		CSF
547	2464-6	IgG [Mass/volume] in Cerebral spinal fluid	Chem	1535	mg/dL	mg/dL		CSF
548	2638-5	Myelin basic protein [Mass/volume] in Cerebral spinal fluid	Chem	1828	ng/mL	ng/mL		CSF
549	2880-3	Protein [Mass/volume] in Cerebral spinal fluid	Chem	534	mg/dL	mg/dL		CSF
550	49295-9	Protein Fractions [interpretation] in Cerebral spinal fluid by Electrophoresis Narrative	Chem	1694				CSF
551	12782-9	Protein fractions.oligoclonal bands [interpretation] in Cerebral spinal fluid by Electrophoresis	Chem	1492				CSF
552	13451-0	Creatinine dialysis fluid clearance	Chem	398	mL/min	mL/min		Dial fld+Ser/Plas
553	2334-1	Hemoglobin.gastrointestinal [Presence] in Gastric fluid *NOTE: from occult blood	Chem	1920			Occult Blood in gastric fluid	Gast fld
554	2749-0	pH of Gastric fluid	Chem	1807	[pH]	pH		Gast fld
555	2283-0	Folate [Mass/volume] in Red Blood Cells	Chem	743	ng/mL	ng/mL	Serum folate MCnc [LOINC: 2284-8] or SCnc [LOINC: 14732-2] is the more common measure because it is less expensive than RBC folate.	RBC
556	32546-4	Glucose-6-Phosphate dehydrogenase [Enzymatic activity/mass] in Red Blood Cells	Chem	1576	U/g{Hb}	U/gHb		RBC
557	2357-2	Glucose-6-Phosphate dehydrogenase [Enzymatic activity/volume] in Red Blood Cells	Chem	1203	U/g{Hb}	U/gHb		RBC
558	2597-3	Magnesium [Moles/volume] in Red Blood Cells	Chem	1697	mmol/L	mmol/L		RBC
559	2895-1	Protoporphyrin.zinc [Mass/volume] in Red Blood Cells	Chem	1704	ug/dL	ug/dL		RBC
560	2142-8	Cortisol [Mass/volume] in Saliva	Chem	1926	ug/dL	ug/dL		Saliva
561	14117-6	IgG index in Serum & CSF	Chem	1822	{ratio}	ratio		Ser+CSF
562	14116-8	IgG synthesis rate [Mass/time] in Serum & CSF by calculation	Chem	1773	mg/(24.hr)	mg/24hr		Ser+CSF
563	2270-7	Fat [Presence] in Stool	Chem	1145				Stool
564	12598-9	Fat.neutral [Presence] in Stool	Chem	1633				Stool
565	2605-4	Meat fibers [Presence] in Stool by Light microscopy	Chem	1315				Stool
566	11060-1	Reducing substances [Presence] in Stool	Chem	1800				Stool
567	2077-6	Chloride [Moles/volume] in Sweat	Chem	1168	mmol/L	mmol/L		Sweat

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568	**Timed Urine Test** There are three variations on how analytes are reported in urine: 1) The spot urine or random urine measures. In LOINC, these are described as the “point in time” urine. The LOINC codes for those will have 'Pt' (for point in time) in the timing specification and a concentration (e.g., MCnc, SCnc or CCnc) as its property. The same analytes can be analyzed in a timed urine (usually 24-hour collection). In this case, the laboratory will report: 2) The concentration on a portion of what is collected. 3) The excretion rate over 24 hours. The excretion rate is obtained by multiplying the measured concentration by the volume of the 24-hour collection. Therefore, on the 24-hour urine you will usually see a concentration and a rate of excretion. Most laboratories report units of mg or molar per 24 hours or per day. A few labs report the daily excretion in mg or molar per total volume because one can never be sure the collection is a complete 24 hour collection. However, the normal ranges reported in these cases are almost always 24 hour normal. So we recommend mapping these per/total volume specimens as though they are 24 hour collections. Altogether there are three different possible LOINC codes for a given urine analyte: 1) Analyte:MCnc or SCnc:Pt:Urine:Qn 2) Analyte:MCnc or SCnc:24H:Urine:Qn 3) Analyte:MRat or SRat:24H:Urine:Qn Some laboratories use the same internal code to identify the concentration of a random urine and the concentration of a 24-hour urine. Laboratories may also report the ratio of an analyte to creatinine in the urine, using the creatinine to correct for incomplete timed urine collections. A measure of analyte/creatinine can be done on spot (random) urines and on 24 hour timed collections of urine. In some cases the time of the collection is deliberately not specified in the test name, but is given somewhere else with alternative times like 2 hours or 4 hours. Some such specific durations are available in LOINC, but they are not very commonly ordered, so you don’t see them in the Top 2000+. Take special care when mapping ratios of some analyte to creatinine. In the US, they will usually be reported as mass units/mass creatinine. But units of mg/mmol are described in Wikipedia.The most important point is that if the units are mass/mass or substance/substance, the LOINC term to which it maps should have a property of MCrto (mass concentration ratio) or SCrto (substance concentration ratio), respectively. If the units are mixed (e.g. mmol/s or mg/mmol), the property should be Ratio.						
569	1695-6	5-Hydroxyindoleacetate [Mass/time] in 24 hour Urine	Chem	1449	mg/(24.h)	mg/24h		Urine
570	1978-6	Bilirubin [Mass/volume] in Urine	Chem	171	mg/dL	mg/dL		Urine
571	1977-8	Bilirubin [Presence] in Urine	Chem	621				Urine
572	6874-2	Calcium [Mass/time] in 24 hour Urine	Chem	902	mg/(24.h)	mg/24h		Urine
573	18488-7	Calcium [Mass/volume] in 24 hour Urine	Chem	1090	mg/L	mg/L		Urine
574	35675-8	Calcium [Mass/volume] in unspecified time Urine	Chem	1359	mg/dL	mg/dL		Urine
575	17862-4	Calcium [Mass/volume] in Urine	Chem	859	mg/dL	mg/dL		Urine
576	13538-4	Carbon dioxide, total [Moles/volume] in Urine	Chem	1852	mmol/L	mmol/L		Urine

	B	C	E	F	G	H	I	P
1	LOINC #	Long Common Name	Class Override	Rank	Example UCUM	Example UCUM Display	Comments	System Adjusted
577	35676-6	Chloride [Moles/volume] in unspecified time Urine	Chem	997	mmol/L	mmol/L		Urine
578	2078-4	Chloride [Moles/volume] in Urine	Chem	697	mmol/L	mmol/L		Urine
579	2106-3	Choriogonadotropin (Pregnancy test) [Presence] in Urine	Chem	184			Pregnancy test	Urine
580	2112-1	Choriogonadotropin.beta subunit (Pregnancy test) [Presence] in Urine	Chem	1227			Pregnancy test	Urine
581	6687-8	Citrate [Mass/time] in 24 hour Urine	Chem	1252	mg/(24.h)	mg/24h		Urine
582	27939-8	Collagen crosslinked N-telopeptide [Moles/volume] in Urine	Chem	1419	nmol/ml	nmol/ml		Urine
583	14115-0	Collagen crosslinked N-telopeptide/Creatinine [Molar ratio] in Urine	Chem	1140	nmol{BCE}/mol{creat}	nmolBCE/mmolcreat		Urine
584	13362-9	Collection duration of Urine	Chem	258	h	h		Urine
585	19086-8	Collection of urine specimen end date	Chem	1688	{date}	date		Urine
586	19087-6	Collection of urine specimen end time	Chem	1689	{clock time}	clock time		Urine
587	19088-4	Collection of urine specimen start date	Chem	1683	{date}	date		Urine
588	19089-2	Collection of urine specimen start time	Chem	1685	{clock time}	clock time		Urine
589	2147-7	Cortisol Free [Mass/time] in 24 hour Urine	Chem	1061	ug/(24.h)	ug/24h		Urine
590	11040-3	Cortisol Free [Mass/volume] in Urine	Chem	1474	ug/dL	ug/dL		Urine
591	2162-6	Creatinine [Mass/time] in 24 hour Urine	Chem	445	g/(24.h)	g/24h		Urine
592	20624-3	Creatinine [Mass/volume] in 24 hour Urine	Chem	1978	mg/dL	mg/dL		Urine
593	35674-1	Creatinine [Mass/volume] in unspecified time Urine	Chem	359	mg/dL	mg/dL		Urine
594	2161-8	Creatinine [Mass/volume] in Urine	Chem	161	mg/dL	mg/dL		Urine
595	2218-6	Dopamine [Mass/time] in 24 hour Urine	Chem	1270	ug/(24.h)	ug/24h		Urine
596	2217-8	Dopamine [Mass/volume] in Urine	Chem	1794	ug/L	ug/L		Urine
597	2232-7	Epinephrine [Mass/time] in 24 hour Urine	Chem	1240	ug/(24.h)	ug/24h		Urine
598	11046-0	Epinephrine [Mass/volume] in Urine	Chem	1795	pg/mL	pg/mL		Urine
599	2272-3	Fat [Presence] in Urine	Chem	1965				Urine
600	2350-7	Glucose [Mass/volume] in Urine	Chem	1730	mg/dL	mg/dL		Urine
601	2349-9	Glucose [Presence] in Urine	Chem	116				Urine
602	33903-6	Ketones [Presence] in Urine	Chem	217				Urine
603	19049-6	Metanephrine [Mass/time] in 24 hour Urine	Chem	1271	ug/(24.h)	ug/24h	Metanephrine (singular) is not same as metanephrines (pleural).	Urine
604	2609-6	Metanephrines [Mass/time] in 24 hour Urine	Chem	1344	ug/(24.h)	ug/24h	Metanephrines (pleural) = metanephrine (singular) + normetanephrine	Urine
605	19050-4	Metanephrines [Mass/volume] in 24 hour Urine	Chem	1678	ng/mL		Metanephrines (pleural) = metanephrine (singular) + normetanephrine	Urine
606	**Microalbumin** Be aware that the routine albumin measure is insensitive to small amounts of albumin, and thus cannot detect the albumin leakage that is a sign of early damage in diabetics. This damage can be slowed or prevented if treated early; so for diabetics, the physician should order the test called micro-albumin, which is a more sensitive measure of urine albumin (detection limit of <= 20 micrograms/deciliter) that can detect such early damage. Also, some laboratories report the albumin excretion rate as both mg/(24.h) and ug/min in the same report. To accommodate this dual reporting, LOINC has made an exception to its usual rule about not creating different codes for terms with the same property of the 2nd part of the formal LOINC name just because they have different units of measure. We have provided different LOINC codes for those tests.							

	B	C	E	F	G	H	I	P
1	LOINC #	Long Common Name	Class Override	Rank	Example UCUM	Example UCUM Display	Comments	System Adjusted
607	14956-7	Microalbumin [Mass/time] in 24 hour Urine	Chem	1294	mg/(24.h)	mg/24h		Urine
608	30003-8	Microalbumin [Mass/volume] in 24 hour Urine	Chem	1973	mg/dL	mg/dL		Urine
609	14957-5	Microalbumin [Mass/volume] in Urine	Chem	175	mg/dL	mg/dL		Urine
610	58448-2	Microalbumin ug/min [Mass/time] in 24 hour Urine	Chem	176				Urine
611	14958-3	Microalbumin/Creatinine [Mass ratio] in 24 hour Urine	Chem	1979	mg/g{creat}	mg/gcreat		Urine
612	14959-1	Microalbumin/Creatinine [Mass ratio] in Urine	Chem	212	mg/g{creat}	mg/gcreat		Urine
613	2640-1	Myoglobin [Presence] in Urine	Chem	1264				Urine
614	2668-2	Norepinephrine [Mass/time] in 24 hour Urine	Chem	1257	ug/(24.h)	ug/24h		Urine
615	2667-4	Norepinephrine [Mass/volume] in Urine	Chem	1796	ug/mL	ug/mL		Urine
616	2671-6	Normetanephrine [Mass/time] in 24 hour Urine	Chem	1186	ug/(24.h)	ug/24h		Urine
617	21422-1	Normetanephrine [Mass/volume] in 24 hour Urine	Chem	1700	ug/mL	ug/mL		Urine
618	2695-5	Osmolality of Urine	Chem	556	mosm/kg	mosm/kg	Measured osmolality	Urine
619	2701-1	Oxalate [Mass/time] in 24 hour Urine	Chem	1653	mg/(24.h)	mg/24h		Urine
620	2700-3	Oxalate [Mass/volume] in Urine	Chem	1876	ug/mL	ug/mL		Urine
621	14862-7	Oxalate [Moles/time] in 24 hour Urine	Chem	1660	umol/(24.h)	umol/24h		Urine
622	2756-5	pH of Urine	Chem	612	[pH]	pH		Urine
623	2779-7	Phosphate [Mass/time] in 24 hour Urine	Chem	1478	mg/(24.h)	mg/24h		Urine
624	2778-9	Phosphate [Mass/volume] in Urine	Chem	1197	mg/dL	mg/dL		Urine
625	2828-2	Potassium [Moles/volume] in Urine	Chem	493	mmol/L	mmol/L		Urine
626	2889-4	Protein [Mass/time] in 24 hour Urine	Chem	487	g/(24.h)	g/24h		Urine
627	21482-5	Protein [Mass/volume] in 24 hour Urine	Chem	1696	g/dL	g/dL		Urine
628	35663-4	Protein [Mass/volume] in unspecified time Urine	Chem	635	mg/dL	mg/dL		Urine
629	2888-6	Protein [Mass/volume] in Urine	Chem	292	g/dL	g/dL		Urine
630	2890-2	Protein/Creatinine [Mass ratio] in Urine	Chem	509	mg/g{creat}	mg/gcreat		Urine
631	2956-1	Sodium [Moles/time] in 24 hour Urine	Chem	1217	mmol/(24.h)	mmol/24h		Urine
632	21525-1	Sodium [Moles/volume] in 24 hour Urine	Chem	1451	mol/L	mol/L		Urine
633	35678-2	Sodium [Moles/volume] in unspecified time Urine	Chem	689	mmol/L	mmol/L		Urine
634	2955-3	Sodium [Moles/volume] in Urine	Chem	412	mmol/L	mmol/L		Urine
635	2965-2	Specific gravity of Urine	Chem	122	{ratio}	ratio		Urine
636	3087-4	Urate [Mass/time] in 24 hour Urine	Chem	1295	g/(24.h)	g/24h		Urine
637	3086-6	Urate [Mass/volume] in Urine	Chem	1405	mg/dL	mg/dL		Urine
638	3096-5	Urea nitrogen [Mass/time] in 24 hour Urine	Chem	1727	g/(24.h)	g/24h		Urine
639	3095-7	Urea nitrogen [Mass/volume] in Urine	Chem	682	mg/dL	mg/dL		Urine
640	3107-0	Urobilinogen [Mass/volume] in Urine	Chem	107	mg/dL	mg/dL		Urine
641	3122-9	Vanillylmandelate [Mass/time] in 24 hour Urine	Chem	1351	mg/(24.h)	mg/24h	Note, VMA is no longer the analyte of choice for diagnosing pheochromocytoma	Urine
642	9624-8	Vanillylmandelate [Mass/volume] in Urine	Chem	1837			Note, VMA is no longer the analyte of choice for diagnosing pheochromocytoma	Urine
643	3167-4	Volume of 24 hour Urine	Chem	387	L	L		Urine
644	19153-6	Volume of unspecified time Urine	Chem	793	mL	mL		Urine
645	28009-9	Volume of Urine	Chem	1602	mL	mL		Urine
646	2164-2	Creatinine renal clearance in 24 hour Urine	Chem	586	mL/min	mL/min		Urine+Ser/Plas

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1	LOINC #	Long Common Name	Class Override	Rank	Example UCUM	Example UCUM Display	Comments	System Adjusted
647	12195-4	Creatinine renal clearance/1.73 sq M in 24 hour Urine	Chem	1269	mL/min/{1.7}	mL/min/17		Urine+Ser/Plas
648	Chem-Bld Gas							
649	Notice that hemoglobin and a few other chemistries that are not strictly part of blood gas measures have distinct codes for blood arterial (BldA) and for blood venous (BldV) as well as just blood (Bld). These distinctions are a convenience for defining blood gas panels and showing the same specimen across all tests within the panel. Panels that mix classic blood gas measures like PO2 and PCO2 with routine chemistries like electrolytes and creatinine are increasingly common because such tests are available along with classic blood gas tests on point of care instruments used in the ICU. For most of these there should be no significant difference in concentrations on the venous versus the arterial side. For glucose, one report describes a 4% difference between venous and arterial samples, but the ISTAT manual reports the same expected range for the venous and arterial specimens for routine chemistries with the exception of the gases and lactate. There should be no difference in the concentration of hemoglobin in an arterial versus a venous blood sample, so we do not encourage this distinction. If you use the specimen type Bld (not BldA or BldV) for blood gas reports, e.g. PO2, you must also include notation either in the specimen segment or in an additional LOINC variable to indicate whether the specimen is arterial or venous.							
650	30318-0	Base deficit in Blood	Chem-Bld Gas	471	mmol/L	mmol/L	Rarely reported as such. The base excess says it all.	Bld
651	11555-0	Base excess in Blood	Chem-Bld Gas	84	mmol/L	mmol/L		Bld
652	34705-4	Carbon dioxide [Partial pressure] adjusted to patients actual temperature in Blood	Chem-Bld Gas	618	mm[Hg]	mmHg		Bld
653	11557-6	Carbon dioxide [Partial pressure] in Blood	Chem-Bld Gas	86	mm[Hg]	mmHg		Bld
654	20563-3	Carboxyhemoglobin/Hemoglobin.total in Blood	Chem-Bld Gas	875	%	%		Bld
655	11559-2	Fractional oxyhemoglobin in Blood	Chem-Bld Gas	1808	%	%	Fractional oxygen saturation (HbO2)	Bld
656	2614-6	Methemoglobin/Hemoglobin.total in Blood	Chem-Bld Gas	820	%	%		Bld
657	19254-2	Oxygen [Partial pressure] adjusted to patients actual temperature in Blood	Chem-Bld Gas	619	mm[Hg]	mmHg		Bld
658	11556-8	Oxygen [Partial pressure] in Blood	Chem-Bld Gas	87	mm[Hg]	mmHg		Bld
659	20564-1	Oxygen saturation in Blood	Chem-Bld Gas	426	%	%	This functional oxygen saturation (SO2) term [LOINC: 20564-1] is a better measure than the calculated version [LOINC: 2713-6].	Bld
660	2713-6	Oxygen saturation.calculated from oxygen partial pressure in Blood	Chem-Bld Gas	95	%	%	This (calculated) functional oxygen saturation (SO2) term [LOINC: 2713-6] is not as good as the direct measure [LOINC: 20564-1].	Bld
661	11558-4	pH of Blood	Chem-Bld Gas	97	[pH]	pH		Bld
662	49701-6	pH of Blood adjusted to patients actual temperature	Chem-Bld Gas	1223	[pH]	pH		Bld
663	1922-4	Base deficit in Arterial blood	Chem-Bld Gas	498	mmol/L	mmol/L		BldA
664	1925-7	Base excess in Arterial blood	Chem-Bld Gas	389	mmol/L	mmol/L		BldA
665	1960-4	Bicarbonate [Moles/volume] in Arterial blood	Chem-Bld Gas	310	mmol/L	mmol/L		BldA
666	2019-8	Carbon dioxide [Partial pressure] in Arterial blood	Chem-Bld Gas	205	mm[Hg]	mmHg		BldA
667	2026-3	Carbon dioxide, total [Moles/volume] in Arterial blood	Chem-Bld Gas	938	mmol/L	mmol/L		BldA
668	2030-5	Carboxyhemoglobin/Hemoglobin.total in Arterial blood	Chem-Bld Gas	1815	%	%		BldA

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1	LOINC #	Long Common Name	Class Override	Rank	Example UCUM	Example UCUM Display	Comments	System Adjusted
669	2714-4	Fractional oxyhemoglobin in Arterial blood	Chem-Bld Gas	939	%	%	Fractional oxygen saturation arterial blood (HbO2)	BldA
670	30313-1	Hemoglobin [Mass/volume] in Arterial blood	Chem-Bld Gas	188	g/dL	g/dL		BldA
671	2615-3	Methemoglobin/Hemoglobin.total in Arterial blood	Chem-Bld Gas	1173	%	%		BldA
672	Pulse Oximetry Because the sensors are placed on the skin (e.g. fingertip, ear lobe) some believe that pulse oximetry is measuring the oxygen saturation of capillary blood. That is a misconception. Pulse oximetry measures the oxygen saturation of arterial blood, because it measures the saturation at the peak of its surge into the capillaries and small arterioles. It correlates directly with an arterial blood saturation measurement. Realize that if the patient has significant concentrations of carboxyhemoglobin, methemoglobin or sulfhemoglobin, pulse oximetry will overestimate the effective oxygen saturation because it completely ignores the presence of those dyshemoglobins. You need a co-oximeter to take these into account							
673	2703-7	Oxygen [Partial pressure] in Arterial blood	Chem-Bld Gas	193	mm[Hg]	mmHg		BldA
674	2708-6	Oxygen saturation in Arterial blood	Chem-Bld Gas	451	%	%	Functional oxygen saturation (SO2)	BldA
675	2744-1	pH of Arterial blood	Chem-Bld Gas	187	[pH]	pH		BldA
676	33254-4	pH of Arterial blood adjusted to patients actual temperature	Chem-Bld Gas	669	[pH]	pH		BldA
677	1926-5	Base excess in Capillary blood	Chem-Bld Gas	1953	mmol/L	mmol/L		BldC
678	1961-2	Bicarbonate [Moles/volume] in Capillary blood	Chem-Bld Gas	1086	mmol/L	mmol/L		BldC
679	33022-5	Carbon dioxide [Partial pressure] in Capillary blood by Transcutaneous CO2 monitor	Chem-Bld Gas	866	mm[Hg]	mmHg		BldC
680	33437-5	Oxygen [Partial pressure] in Capillary blood by Transcutaneous O2 monitor	Chem-Bld Gas	1155	mm[Hg]	mmHg		BldC
681	59408-5	Oxygen saturation in Arterial blood by Pulse oximetry	Chem-Bld Gas	1874	%	%	Functional oxygen saturation (SO2)	BldC
682	59412-7	Oxygen saturation in Arterial blood by Pulse oximetry --post exercise	Chem-Bld Gas	1648	%	%	Functional oxygen saturation (SO2)	BldC
683	59417-6	Oxygen saturation in Arterial blood by Pulse oximetry --resting	Chem-Bld Gas	1647	%	%	Functional oxygen saturation (SO2)	BldC
684	2745-8	pH of Capillary blood	Chem-Bld Gas	865	[pH]	pH		BldC
685	28640-1	Bicarbonate [Moles/volume] in Arterial cord blood	Chem-Bld Gas	1229	mmol/L	mmol/L		BldCoA
686	28644-3	Carbon dioxide [Partial pressure] in Arterial cord blood	Chem-Bld Gas	1216	mm[Hg]	mmHg		BldCoA
687	28648-4	Oxygen [Partial pressure] in Arterial cord blood	Chem-Bld Gas	1218	mm[Hg]	mmHg		BldCoA
688	28642-7	Oxygen saturation (SO2) in Arterial cord blood	Chem-Bld Gas	1285	%	%	Functional oxygen saturation (SO2)	BldCoA
689	28646-8	pH of Arterial cord blood	Chem-Bld Gas	1087	[pH]	pH		BldCoA
690	28637-7	Base deficit in Venous cord blood	Chem-Bld Gas	1047	mmol/L	mmol/L		BldCoV
691	28641-9	Bicarbonate [Moles/volume] in Venous cord blood	Chem-Bld Gas	1213	mmol/L	mmol/L		BldCoV
692	28645-0	Carbon dioxide [Partial pressure] in Venous cord blood	Chem-Bld Gas	1204	mm[Hg]	mmHg		BldCoV
693	28649-2	Oxygen [Partial pressure] in Venous cord blood	Chem-Bld Gas	1207	mm[Hg]	mmHg		BldCoV
694	28643-5	Oxygen saturation (SO2) in Venous cord blood	Chem-Bld Gas	1272	%	%	Functional oxygen saturation (SO2)	BldCoV
695	28647-6	pH of Venous cord blood	Chem-Bld Gas	1082	[pH]	pH		BldCoV
696	1924-0	Base deficit in Venous blood	Chem-Bld Gas	1187	mmol/L	mmol/L		BldV
697	1927-3	Base excess in Venous blood	Chem-Bld Gas	966	mmol/L	mmol/L		BldV
698	14627-4	Bicarbonate [Moles/volume] in Venous blood	Chem-Bld Gas	781	mmol/L	mmol/L		BldV

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1	LOINC #	Long Common Name	Class Override	Rank	Example UCUM	Example UCUM Display	Comments	System Adjusted
699	2021-4	Carbon dioxide [Partial pressure] in Venous blood	Chem-Bld Gas	523	mm[Hg]	mmHg		BldV
700	2027-1	Carbon dioxide, total [Moles/volume] in Venous blood	Chem-Bld Gas	1983	mmol/L	mmol/L		BldV
701	48391-7	Carbon dioxide, total [Moles/volume] in Venous blood by calculation	Chem-Bld Gas	688	mmol/L	mmol/L		BldV
702	2032-1	Carboxyhemoglobin/Hemoglobin.total in Venous blood	Chem-Bld Gas	1677	%	%		BldV
703	2716-9	Fractional oxyhemoglobin (HbO2) in Venous blood	Chem-Bld Gas	1956	%	%	Fractional oxygen saturation (HbO2)	BldV
704	30350-3	Hemoglobin [Mass/volume] in Venous blood	Chem-Bld Gas	1986	g/dL	g/dL		BldV
705	2705-2	Oxygen [Partial pressure] in Venous blood	Chem-Bld Gas	665	mm[Hg]	mmHg		BldV
706	2711-0	Oxygen saturation (SO2) in Venous blood	Chem-Bld Gas	1949	%	%	Functional oxygen saturation (SO2)	BldV
707	2746-6	pH of Venous blood	Chem-Bld Gas	519	[pH]	pH		BldV
708	3150-0	Inhaled oxygen concentration (FIO2)	Chem-Bld Gas	385	%	%	Percent oxygen inhaled (FIO2)	Inhl gas
709	3151-8	Inhaled oxygen flow rate	Chem-Bld Gas	174	L/min	L/min	Liters per minute of oxygen inhaled	Inhl gas
710	19993-5	Oxygen/Inspired gas Inhaled gas by Gas dilution.rebreath	Chem-Bld Gas	598	%	%	Ventilator related term	Inhl gas
711	19941-4	Oxygen gas flow Oxygen delivery system	Chem-Bld Gas	898	L/min	L/min	Liter per minute setting	Oxygen delivery system
712	19942-2	Oxygen gas flow setting Oxymizer	Chem-Bld Gas	1287	L/min	L/min	Liter per minute setting	Oxygen delivery system
713	19835-8	Breath rate setting Ventilator synchronized intermittent mandatory	Chem-Bld Gas	1319	{breaths}/min	breaths/min		Ventilator
714	19839-0	Breath rate spontaneous --on ventilator	Chem-Bld Gas	1196	{breaths}/min	breaths/min		Ventilator
715	20124-4	Ventilation mode [Identifier] Ventilator	Chem-Bld Gas	1079				Ventilator
716	Chem-challenge							
717	Just a handful of the over 3600 LOINC challenge tests made it into the Top 2000+. The few challenge tests that do appear include four varieties of glucose tolerance tests. Three of these are based on the different oral doses of glucose (50 grams, 75 grams, and 100 grams) used in these tests. One of them does not specify the dose in the test name and is used by labs that report the dose as a separate variable.							
718	26528-0	Cortisol [Mass/volume] in Serum or Plasma --1 hour post dose corticotropin	Chem-challenge	1638	ug/dL	ug/dL		Ser/Plas
719	26530-6	Cortisol [Mass/volume] in Serum or Plasma --30 minutes post dose corticotropin	Chem-challenge	1645	ug/dL	ug/dL		Ser/Plas
720	1558-6	Fasting glucose [Mass/volume] in Serum or Plasma	Chem-challenge	332	mg/dL	mg/dL		Ser/Plas
721	20438-8	Glucose [Mass/volume] in Serum or Plasma --1 hour post dose glucose	Chem-challenge	928	mg/dL	mg/dL		Ser/Plas
722	10449-7	Glucose [Mass/volume] in Serum or Plasma --1 hour post meal	Chem-challenge	1362	mg/dL	mg/dL		Ser/Plas
723	20436-2	Glucose [Mass/volume] in Serum or Plasma --2 hours post dose glucose	Chem-challenge	884	mg/dL	mg/dL		Ser/Plas
724	1521-4	Glucose [Mass/volume] in Serum or Plasma --2 hours post meal	Chem-challenge	1141	mg/dL	mg/dL		Ser/Plas
725	20437-0	Glucose [Mass/volume] in Serum or Plasma --3 hours post dose glucose	Chem-challenge	880	mg/dL	mg/dL		Ser/Plas
726	1501-6	Glucose [Mass/volume] in Serum or Plasma --1 hour post 100 g glucose PO	Chem-challenge	872	mg/dL	mg/dL		Ser/Plas 100g

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1	LOINC #	Long Common Name	Class Override	Rank	Example UCUM	Example UCUM Display	Comments	System Adjusted
727	1514-9	Glucose [Mass/volume] in Serum or Plasma --2 hours post 100 g glucose PO	Chem-challenge	896	mg/dL	mg/dL		Ser/Plas 100g
728	1530-5	Glucose [Mass/volume] in Serum or Plasma --3 hours post 100 g glucose PO	Chem-challenge	914	mg/dL	mg/dL		Ser/Plas 100g
729	1549-5	Glucose [Mass/volume] in Serum or Plasma --pre 100 g glucose PO	Chem-challenge	1450	mg/dL	mg/dL		Ser/Plas 100g
730	1504-0	Glucose [Mass/volume] in Serum or Plasma --1 hour post 50 g glucose PO	Chem-challenge	338	mg/dL	mg/dL		Ser/Plas 50g
731	1507-3	Glucose [Mass/volume] in Serum or Plasma --1 hour post 75 g glucose PO	Chem-challenge	876	mg/dL	mg/dL		Ser/Plas 75 g
732	1518-0	Glucose [Mass/volume] in Serum or Plasma --2 hours post 75 g glucose PO	Chem-challenge	835	mg/dL	mg/dL		Ser/Plas 75 g
733	1527-1	Glucose [Mass/volume] in Serum or Plasma --30 minutes post 75 g glucose PO	Chem-challenge	1230	mg/dL	mg/dL		Ser/Plas 75 g
734	Chem-Fetal lung maturity							
735	47226-6	Fetal lung maturity [interpretation] in Amniotic fluid	Chem-Fetal lung	1630				Amnio fld
736	20404-0	Fibronectin.fetal [Presence] in Vaginal fluid	Chem	813			Used to predict pre-term delivery	Vag
737	48039-2	Fibronectin.fetal [Presence] in Unspecified specimen	Chem	1183				XXX
738	14976-5	Lecithin/Sphingomyelin [Ratio] in Amniotic fluid	Chem-Fetal lung	1853	{ratio}	ratio		Amnio fld
739	19125-4	Meconium [Presence] in Amniotic fluid	Chem-Fetal lung	1805				Amnio fld
740	30165-5	Phosphatidylcholine/Albumin [Mass ratio] in Amniotic fluid	Chem-Fetal lung	1491	mg/g	mg/g		Amnio fld
741	20499-0	Phosphatidylglycerol/Surfactant.total in Amniotic fluid	Chem-Fetal lung	1912	%	%		Amnio fld
742	Chem-Immune Electrophoresis							
743	13169-8	Immunoelectrophoresis [interpretation] for Serum or Plasma	Chem-Immune Electro Phoresis	950				Ser
744	25700-6	Immunofixation [interpretation] for Serum or Plasma	Chem-Immune Electro Phoresis	1058				Ser
745	11050-2	Immunoglobulin light chains.kappa [Mass/volume] in Serum	Chem-Immune Electro Phoresis	918	mg/dL	mg/dL		Ser
746	36916-5	Immunoglobulin light chains.kappa.free [Mass/volume] in Serum	Chem-Immune Electro Phoresis	594	mg/L	mg/L		Ser
747	48378-4	Immunoglobulin light chains.kappa.free/Immunoglobulin light chains.lambda.free [Mass Ratio] in Serum	Chem-Immune Electro Phoresis	969	{ratio}	ratio		Ser
748	15189-4	Immunoglobulin light chains.kappa/Immunoglobulin light chains.lambda [Mass ratio] in Serum	Chem-Immune Electro Phoresis	595	{ratio}	ratio		Ser
749	11051-0	Immunoglobulin light chains.lambda [Mass/volume] in Serum	Chem-Immune Electro Phoresis	1088	mg/dL	mg/dL		Ser
750	13440-3	Immunofixation [interpretation] for Urine	Chem-Immune Electro Phoresis	856				Urine
751	17793-1	Immunoglobulin light chains [Mass/volume] in 24 hour Urine	Chem-Immune Electro Phoresis	1105	g/L	g/L		Urine

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1	LOINC #	Long Common Name	Class Override	Rank	Example UCUM	Example UCUM Display	Comments	System Adjusted
752	Chem-NBS							
753		Newborn screening (NBS) represents a set of tests performed on infants shortly after birth to detect genetic diseases whose harmful effects can be ameliorated or eliminated with early treatment. The list of NBS tests that originally appeared in the Top 2000+ was based on a sample from only one source and represented a style of reporting from the past, which is being replaced by more structured reports as recommended by the AHIC working group and refined by HRSA and NLM (http://newbornscreeningcodes.nlm.nih.gov/). This new style is being adopted by the NBS community and NBS laboratory system vendors. In Version 1.4 of the Top 2000+, under the Chemistry-NBS class we have included nearly all of the LOINC codes originally recommended by the AHIC working group as well as those used to report screening results for conditions more recently added to the Recommended Uniform Screening Panel by the Secretary of the U.S. Department of Health and Human Services. These are now widely-used tests, but because they were not included in the original data used to compile the Top 2000+, we have assigned them a rank of 3000. Each state in the U.S. should be able to find the codes needed to report the NBS test results for conditions screened within their state in this set. LOINC has organized these codes in a panel [LOINC: 54089-8]. Additional mapping/messaging guidance is available at: http://newbornscreeningcodes.nlm.nih.gov/HL7. Two papers describe the evolution of the LOINC NBS panel, including [PMID: 25935354] and [PMID: 21346929].						
754	53347-1	11-Deoxycorticosterone [Mass/volume] in Dried blood spot	Chem-NBS	3000	ng/dL	ng/dL		Bld.dot
755	53338-0	11-Deoxycortisol [Mass/volume] in Dried blood spot	Chem-NBS	3000	ug/dL	ug/dL		Bld.dot
756	38473-5	17-Hydroxyprogesterone [Mass/volume] in Dried blood spot	Chem-NBS	3000	ng/mL	ng/mL		Bld.dot
757	32854-2	17-Hydroxyprogesterone [Presence] in Dried blood spot	Chem-NBS	458				Bld.dot
758	53336-4	17-Hydroxyprogesterone+Androstenedione/Cortisol [Mass Ratio] in Dried blood spot	Chem-NBS	3000	{ratio}	ratio		Bld.dot
759	53341-4	21-Deoxycortisol [Mass/volume] in Dried blood spot	Chem-NBS	3000	ug/dL	ug/dL		Bld.dot
760	53182-2	3-Hydroxydecenoylcarnitine (C10:1-OH) [Moles/volume] in Dried blood spot	Chem-NBS	3000	umol/L	umol/L		Bld.dot
761	53189-7	3-Hydroxydodecanoylcarnitine (C12-OH) [Moles/volume] in Dried blood spot	Chem-NBS	3000	umol/L	umol/L		Bld.dot
762	53188-9	3-Hydroxydodecenoylcarnitine (C12:1-OH) [Moles/volume] in Dried blood spot	Chem-NBS	3000	umol/L	umol/L		Bld.dot
763	50106-4	3-Hydroxyisovalerylcarnitine (C5-OH) [Moles/volume] in Dried blood spot	Chem-NBS	3000	umol/L	umol/L		Bld.dot
764	53171-5	3-Hydroxyisovalerylcarnitine (C5-OH)/Carnitine.free (C0) [Molar ratio] in Dried blood spot	Chem-NBS	3000	{ratio}	ratio		Bld.dot
765	53172-3	3-Hydroxyisovalerylcarnitine (C5-OH)/Octanoylcarnitine (C8) [Molar ratio] in Dried blood spot	Chem-NBS	3000	{ratio}	ratio		Bld.dot
766	50109-8	3-Hydroxylinoleoylcarnitine (C18:2-OH) [Moles/volume] in Dried blood spot	Chem-NBS	3000	umol/L	umol/L		Bld.dot
767	50113-0	3-Hydroxyoleoylcarnitine (C18:1-OH) [Moles/volume] in Dried blood spot	Chem-NBS	3000	umol/L	umol/L		Bld.dot

	B	C	E	F	G	H	I	P
1	LOINC #	Long Common Name	Class Override	Rank	Example UCUM	Example UCUM Display	Comments	System Adjusted
768	50121-3	3-Hydroxypalmitoleylcarnitine (C16:1-OH) [Moles/volume] in Dried blood spot	Chem-NBS	3000	umol/L	umol/L		Bld.dot
769	50125-4	3-Hydroxypalmitoylcarnitine (C16-OH) [Moles/volume] in Dried blood spot	Chem-NBS	3000	umol/L	umol/L		Bld.dot
770	53201-0	3-Hydroxypalmitoylcarnitine (C16-OH)/Palmitoylcarnitine (C16) [Molar ratio] in Dried blood spot	Chem-NBS	3000	{ratio}	ratio		Bld.dot
771	50132-0	3-Hydroxystearoylcarnitine (C18-OH) [Moles/volume] in Dried blood spot	Chem-NBS	3000	umol/L	umol/L		Bld.dot
772	53196-2	3-Hydroxytetradecadienoylcarnitine (C14:2-OH) [Moles/volume] in Dried blood spot	Chem-NBS	3000	umol/L	umol/L		Bld.dot
773	50281-5	3-Hydroxytetradecanoylcarnitine (C14-OH) [Moles/volume] in Dried blood spot	Chem-NBS	3000	umol/L	umol/L		Bld.dot
774	53197-0	3-Hydroxytetradecenoylcarnitine (C14:1-OH) [Moles/volume] in Dried blood spot	Chem-NBS	3000	umol/L	umol/L		Bld.dot
775	50157-7	Acetylcarnitine (C2) [Moles/volume] in Dried blood spot	Chem-NBS	3000	umol/L	umol/L		Bld.dot
776	53152-5	Alloisoleucine+Isoleucine+Leucine+Hydroxyproline [Moles/volume] in Dried blood spot	Chem-NBS	3000	umol/L	umol/L		Bld.dot
777	53154-1	Alloisoleucine+Isoleucine+Leucine+Hydroxyproline/Alanine [Molar ratio] in Dried blood spot	Chem-NBS	3000	{ratio}	ratio		Bld.dot
778	53153-3	Alloisoleucine+Isoleucine+Leucine+Hydroxyproline/Phenylalanine [Molar ratio] in Dried blood spot	Chem-NBS	3000	{ratio}	ratio		Bld.dot
779	53393-5	Alloisoleucine+Isoleucine+Leucine+Hydroxyproline+Valine/Phenylalanine+Tyrosine [Molar ratio] in Dried blood spot	Chem-NBS	3000	{ratio}	ratio		Bld.dot
780	46733-2	Amino acidemias newborn screen interpretation	Chem-NBS	405				Bld.dot
781	53343-0	Androstenedione [Mass/volume] in Dried blood spot	Chem-NBS	3000	ng/dL	ng/dL		Bld.dot
782	47562-4	Arginine [Moles/volume] in Dried blood spot	Chem-NBS	3000	umol/L	umol/L		Bld.dot
783	53398-4	Arginine/Phenylalanine [Molar ratio] in Dried blood spot	Chem-NBS	3000	{ratio}	ratio		Bld.dot
784	53062-6	Argininosuccinate [Moles/volume] in Dried blood spot	Chem-NBS	3000	umol/L	umol/L		Bld.dot
785	53200-2	Argininosuccinate/Arginine [Molar ratio] in Dried blood spot	Chem-NBS	3000	{ratio}	ratio		Bld.dot
786	75217-0	Biotinidase [Enzymatic activity/volume] in Dried blood spot	Chem-NBS	3000	nmoL/mL/mi	nmoL/mL/min		Bld.dot
787	38478-4	Biotinidase [Presence] in Dried blood spot	Chem-NBS	409				Bld.dot
788	38479-2	Branched chain keto-acid dehydrogenase complex [Presence] in Dried blood spot	Chem-NBS	462				Bld.dot
789	38481-8	Carnitine free (C0) [Moles/volume] in Dried blood spot	Chem-NBS	3000	umol/L	umol/L		Bld.dot
790	53236-6	Carnitine.free (C0)+Acetylcarnitine (C2)+Propionylcarnitine (C3)+Palmitoylcarnitine (C16)+Oleoylcarnitine (C18:1)+Stearoylcarnitine (C18)/Citrulline [Molar ratio] in Dried blood spot	Chem-NBS	3000	{ratio}	ratio		Bld.dot
791	73700-7	CCHD newborn screening interpretation	Chem-NBS	3000				Bld.dot
792	73697-5	CCHD newborn screening protocol used [Type]	Chem-NBS	3000				Bld.dot
793	54083-1	CFTR gene mutations found [Identifier] in Dried blood spot Nominal	Chem-NBS	3000	Specific alleles	Specific alleles		Bld.dot

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794	2077-6	Chloride [Moles/volume] in Sweat	Chem-NBS	1168	mmol/L	mmol/L		Bld.dot
795	42892-0	Citrulline [Moles/volume] in Dried blood spot	Chem-NBS	3000	umol/L	umol/L		Bld.dot
796	54092-2	Citrulline/Arginine [Molar ratio] in Dried blood spot	Chem-NBS	3000	{ratio}	ratio		Bld.dot
797	53157-4	Citrulline/Phenylalanine [Molar ratio] in Dried blood spot	Chem-NBS	3000	{ratio}	ratio		Bld.dot
798	53399-2	Citrulline/Tyrosine [Molar ratio] in Dried blood spot	Chem-NBS	3000	{ratio}	ratio		Bld.dot
799	53345-5	Cortisol [Mass/volume] in Dried blood spot	Chem-NBS	3000	ug/dL	ug/dL		Bld.dot
800	46769-6	Cystic fibrosis newborn screen interpretation	Chem-NBS	613				Bld.dot
801	45197-1	Decanoylcarnitine (C10) [Moles/volume] in Dried blood spot	Chem-NBS	3000	umol/L	umol/L		Bld.dot
802	45198-9	Decenoylcarnitine (C10:1) [Moles/volume] in Dried blood spot	Chem-NBS	3000	umol/L	umol/L		Bld.dot
803	45199-7	Dodecanoylcarnitine (C12) [Moles/volume] in Dried blood spot	Chem-NBS	3000	umol/L	umol/L		Bld.dot
804	45200-3	Dodecenoylcarnitine (C12:1) [Moles/volume] in Dried blood spot	Chem-NBS	3000	umol/L	umol/L		Bld.dot
805	46735-7	Endocrine disorders newborn screen interpretation	Chem-NBS	840				Bld.dot
806	46736-5	Fatty acid oxidation defects newborn screen interpretation	Chem-NBS	407				Bld.dot
807	64121-7	Fifth most predominant hemoglobin in Dried blood spot	Chem-NBS	3000				Bld.dot
808	64120-9	Fourth most predominant hemoglobin in Dried blood spot	Chem-NBS	3000				Bld.dot
809	54084-9	Galactose [Mass/volume] in Dried blood spot	Chem-NBS	3000	mg/dL	mg/dL		Bld.dot
810	42906-8	Galactose 1 phosphate uridyl transferase [Enzymatic activity/volume] in Dried blood spot	Chem-NBS	3000	U/g{Hb}	U/g{Hb}		Bld.dot
811	33288-2	Galactose 1 phosphate uridyl transferase [Presence] in Dried blood spot	Chem-NBS	3000		N/A		Bld.dot
812	46737-3	Galactosemias newborn screen interpretation	Chem-NBS	401				Bld.dot
813	53183-0	Glutarylcarnitine (C5-DC)+3-Hydroxydecanoylcarnitine (C10-OH) [Moles/volume] in Dried blood spot	Chem-NBS	3000	umol/L	umol/L		Bld.dot
814	53184-8	Glutarylcarnitine (C5-DC)+3-Hydroxydecanoylcarnitine (C10-OH)/3-Hydroxyisovalerylcarnitine (C5-OH) [Molar ratio] in Dried blood spot	Chem-NBS	3000	{ratio}	ratio		Bld.dot
815	53403-2	Glutarylcarnitine (C5-DC)+3-Hydroxydecanoylcarnitine (C10-OH)/Butyrylcarnitine+Isobutyrylcarnitine (C4) [Molar ratio] in Dried blood spot	Chem-NBS	3000	{ratio}	ratio		Bld.dot
816	53185-5	Glutarylcarnitine (C5-DC)+3-Hydroxydecanoylcarnitine (C10-OH)/Octanoylcarnitine (C8) [Molar ratio] in Dried blood spot	Chem-NBS	3000	{ratio}	ratio		Bld.dot
817	53186-3	Glutarylcarnitine (C5-DC)+3-Hydroxydecanoylcarnitine (C10-OH)/Palmitoylcarnitine (C16) [Molar ratio] in Dried blood spot	Chem-NBS	3000	{ratio}	ratio		Bld.dot
818	67710-4	Glutarylcarnitine (C5-DC)+3-Hydroxyhexanoylcarnitine (C6-OH) [Moles/volume] in Dried blood spot	Chem-NBS	3000	umol/L	umol/L		Bld.dot
819	67711-2	Glutarylcarnitine (C5-DC)+3-Hydroxyhexanoylcarnitine (C6-OH)/Octanoylcarnitine (C8) [Molar ratio] in Dried blood spot	Chem-NBS	3000	{ratio}	ratio		Bld.dot
820	67701-3	Glutarylcarnitine (C5-DC)+3-Hydroxyhexanoylcarnitine (C6-OH)/Palmitoylcarnitine (C16) [Molar ratio] in Dried blood spot	Chem-NBS	3000	{ratio}	ratio		Bld.dot
821	46740-7	Hemoglobin disorders newborn screen interpretation	Chem-NBS	624				Bld.dot
822	64122-5	Hemoglobins that can be presumptively identified based on available controls in Dried blood spot	Chem-NBS	3000				Bld.dot

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1	LOINC #	Long Common Name	Class Override	Rank	Example UCUM	Example UCUM Display	Comments	System Adjusted
823	45211-0	Hexanoylcarnitine (C6) [Moles/volume] in Dried blood spot	Chem-NBS	3000	umol/L	umol/L		Bld.dot
824	38486-7	Homocystine [Presence] in Dried blood spot	Chem-NBS	461				Bld.dot
825	45216-9	Isovalerylcarnitine+Methylbutyrylcarnitine (C5) [Moles/volume] in Dried blood spot	Chem-NBS	3000	umol/L	umol/L		Bld.dot
826	53239-0	Isovalerylcarnitine+Methylbutyrylcarnitine (C5)/Acetylcarnitine (C2) [Molar ratio] in Dried blood spot	Chem-NBS	3000	{ratio}	ratio		Bld.dot
827	53238-2	Isovalerylcarnitine+Methylbutyrylcarnitine (C5)/Carnitine.free (C0) [Molar ratio] in Dried blood spot	Chem-NBS	3000	{ratio}	ratio		Bld.dot
828	53401-6	Isovalerylcarnitine+Methylbutyrylcarnitine (C5)/Octanoylcarnitine (C8) [Molar ratio] in Dried blood spot	Chem-NBS	3000	{ratio}	ratio		Bld.dot
829	53240-8	Isovalerylcarnitine+Methylbutyrylcarnitine (C5)/Propionylcarnitine (C3) [Molar ratio] in Dried blood spot	Chem-NBS	3000	{ratio}	ratio		Bld.dot
830	45217-7	Linoleoylcarnitine (C18:2) [Moles/volume] in Dried blood spot	Chem-NBS	3000	umol/L	umol/L		Bld.dot
831	46779-5	Medium/Short chain acyl-CoA dehydrogenase deficiency newborn screen interpretation	Chem-NBS	463				Bld.dot
832	47700-0	Methionine [Moles/volume] in Dried blood spot	Chem-NBS	3000	umol/L	umol/L		Bld.dot
833	53397-6	Methionine/Alloisoleucine+Isoleucine+Leucine+Hydroxyproline [Molar ratio] in Dried blood spot	Chem-NBS	3000	{ratio}	ratio		Bld.dot
834	53156-6	Methionine/Phenylalanine [Molar ratio] in Dried blood spot	Chem-NBS	3000	{ratio}	ratio		Bld.dot
835	53187-1	Methylglutarylcarnitine (C6-DC) [Moles/volume] in Dried blood spot	Chem-NBS	3000	umol/L	umol/L		Bld.dot
836	45222-7	Methylmalonylcarnitine (C4-DC) [Moles/volume] in Dried blood spot	Chem-NBS	3000	umol/L	umol/L		Bld.dot
837	53181-4	Methylmalonylcarnitine (C4-DC)/3-Hydroxyisovalerylcarnitine (C5-	Chem-NBS	3000	{ratio}	ratio		Bld.dot
838	67709-6	Methylmalonylcarnitine (C4-DC)+3-Hydroxyisovalerylcarnitine (C5-	Chem-NBS	3000	umol/L	umol/L		Bld.dot
839	64117-5	Most predominant hemoglobin in Dried blood spot	Chem-NBS	3000				Bld.dot
840	54106-0	Newborn hearing screen method	Chem-NBS	3000				Bld.dot
841	54108-6	Newborn hearing screen of Ear - left	Chem-NBS	3000				Bld.dot
842	54109-4	Newborn hearing screen of Ear - right	Chem-NBS	3000				Bld.dot
843	53175-6	Octanoylcarnitine (C8) [Moles/volume] in Dried blood spot	Chem-NBS	3000	umol/L	umol/L		Bld.dot
844	53176-4	Octanoylcarnitine (C8)/Acetylcarnitine (C2) [Molar ratio] in Dried blood spot	Chem-NBS	3000	{ratio}	ratio		Bld.dot
845	53177-2	Octanoylcarnitine (C8)/Decanoylcarnitine (C10) [Molar ratio] in Dried blood spot	Chem-NBS	3000	{ratio}	ratio		Bld.dot
846	53202-8	Oleoylcarnitine (C18:1) [Moles/volume] in Dried blood spot	Chem-NBS	3000	umol/L	umol/L		Bld.dot
847	46744-9	Organic acidemias newborn screen interpretation	Chem-NBS	342				Bld.dot
848	59418-4	Oxygen saturation in Blood Postductal by Pulse oximetry	Chem-NBS	3000	%	%		Bld.dot
849	59407-7	Oxygen saturation in Blood Preductal by Pulse oximetry	Chem-NBS	3000	%	%		Bld.dot
850	73696-7	Oxygen saturation.preductal-oxygen saturation.postductal [Mass fraction difference] in Bld.preductal and Bld.postductal	Chem-NBS	3000	%	%		Bld.dot
851	53198-8	Palmitoleylcarnitine (C16:1) [Moles/volume] in Dried blood spot	Chem-NBS	3000	umol/L	umol/L		Bld.dot
852	53199-6	Palmitoylcarnitine (C16) [Moles/volume] in Dried blood spot	Chem-NBS	3000	umol/L	umol/L		Bld.dot
853	29573-3	Phenylalanine [Moles/volume] in Dried blood spot	Chem-NBS	1342	umol/L	umol/L		Bld.dot

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854	29571-7	Phenylalanine [Presence] in Dried blood spot	Chem-NBS	459				Bld.dot
855	35572-7	Phenylalanine/Tyrosine [Molar ratio] in Dried blood spot	Chem-NBS	1343	{ratio}	ratio		Bld.dot
856	53160-8	Propionylcarnitine (C3) [Moles/volume] in Dried blood spot	Chem-NBS	3000	umol/L	umol/L		Bld.dot
857	53163-2	Propionylcarnitine (C3)/Acetylcarnitine (C2) [Molar ratio] in Dried blood spot	Chem-NBS	3000	{ratio}	ratio		Bld.dot
858	53162-4	Propionylcarnitine (C3)/Carnitine.free (C0) [Molar ratio] in Dried blood spot	Chem-NBS	3000	{ratio}	ratio		Bld.dot
859	53164-0	Propionylcarnitine (C3)/Palmitoylcarnitine (C16) [Molar ratio] in Dried blood spot	Chem-NBS	3000	{ratio}	ratio		Bld.dot
860	75211-3	Propionylcarnitine (C3)+Palmitoylcarnitine (C16) [Moles/volume] in Dried blood spot	Chem-NBS	3000	umol/L	umol/L		Bld.dot
861	64118-3	Second most predominant hemoglobin in Dried blood spot	Chem-NBS	3000				Bld.dot
862	46765-4	Sickle cell anemia newborn screen interpretation	Chem-NBS	546				Bld.dot
863	53241-6	Stearoylcarnitine (C18) [Moles/volume] in Dried blood spot	Chem-NBS	3000	umol/L	umol/L		Bld.dot
864	53231-7	Succinylacetone [Moles/volume] in Dried blood spot	Chem-NBS	3000	umol/L	umol/L		Bld.dot
865	62320-7	T-cell receptor excision circle [#/volume] in Dried blood spot by Probe and target amplification method	Chem-NBS	3000	{copies}	{copies}		Bld.dot
866	53190-5	Tetradecadienoylcarnitine (C14:2) [Moles/volume] in Dried blood spot	Chem-NBS	3000	umol/L	umol/L		Bld.dot
867	53192-1	Tetradecanoylcarnitine (C14) [Moles/volume] in Dried blood spot	Chem-NBS	3000	umol/L	umol/L		Bld.dot
868	53191-3	Tetradecenoylcarnitine (C14:1) [Moles/volume] in Dried blood spot	Chem-NBS	3000	umol/L	umol/L		Bld.dot
869	53193-9	Tetradecenoylcarnitine (C14:1)/Acetylcarnitine (C2) [Molar ratio] in Dried blood spot	Chem-NBS	3000	{ratio}	ratio		Bld.dot
870	53194-7	Tetradecenoylcarnitine (C14:1)/Dodecenoylcarnitine (C12:1) [Molar ratio] in Dried blood spot	Chem-NBS	3000	{ratio}	ratio		Bld.dot
871	53195-4	Tetradecenoylcarnitine (C14:1)/Palmitoylcarnitine (C16) [Molar ratio] in Dried blood spot	Chem-NBS	3000	{ratio}	ratio		Bld.dot
872	70159-9	Tetradecenoylcarnitine (C14:1)/Tetradecanoylcarnitine (C14) [Molar ratio] in Dried blood spot	Chem-NBS	3000	{ratio}	ratio		Bld.dot
873	64119-1	Third most predominant hemoglobin in Dried blood spot	Chem-NBS	3000				Bld.dot
874	47784-4	Threonine [Moles/volume] in Dried blood spot	Chem-NBS	3000	umol/L	umol/L		Bld.dot
875	29574-1	Thyrotropin [Presence] in Dried blood spot	Chem-NBS	456				Bld.dot
876	29575-8	Thyrotropin [Units/volume] in Dried blood spot	Chem-NBS	3000	m[IU]/L	m[IU]/L		Bld.dot
877	31144-9	Thyroxine (T4) [Mass/volume] in Dried blood spot	Chem-NBS	762	ug/dL	ug/dL		Bld.dot
878	38506-2	Thyroxine (T4) [Presence] in Dried blood spot	Chem-NBS	1011				Bld.dot
879	48633-2	Trypsinogen I Free [Mass/volume] in Dried blood spot	Chem-NBS	3000	ug/L	ug/L		Bld.dot
880	53159-0	Tryptophan [Moles/volume] in Dried blood spot	Chem-NBS	3000	umol/L	umol/L		Bld.dot
881	35571-9	Tyrosine [Moles/volume] in Dried blood spot	Chem-NBS	1345	umol/L	umol/L		Bld.dot
882	47799-2	Valine [Moles/volume] in Dried blood spot	Chem-NBS	3000	umol/L	umol/L		Bld.dot
883	53151-7	Valine/Phenylalanine [Molar ratio] in Dried blood spot	Chem-NBS	3000	{ratio}	ratio		Bld.dot
884	19111-4	Mother's hospital number	Chem-NBS	1603				^Mother
885	49544-0	Newborn screening recommended follow-up [interpretation]	Chem-NBS	828				^Patient

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1	LOINC #	Long Common Name	Class Override	Rank	Example UCUM	Example UCUM Display	Comments	System Adjusted
886	49048-2	Protein feed time	Chem-NBS	548				^Patient
887	Chem-Occult Bld							
888	Occult blood testing (non-visible blood in the stool) is used to screen for colon cancer. There are three generations of such tests. 1) First generation Guiac tests. The first were usually called Guiac tests, because Guiac was the reagent that turned blue in the presence of heme (from hemoglobin) in the stool. The first generation of Guiac tests was neither very sensitive nor specific — they could test positive due to red meat in the diet, bleeding gums, or other bleeding in the upper gastrointestinal tract. 2) A new generation of high sensitivity Guiac-based tests This high sensitivity tests one of two occult blood testing methods now recommended by the US Preventive Services Task Force. 3) Fecal immune testing (FIT) assay. The FIT assay is the other method recommended by the USPSTF. Compared to both the old and the new Guiac tests, FIT has the advantage of being more specific and requires no dietary restrictions because it is based on detecting the heme-to-globin bond. In the case of blood that comes from the upper GI tract, that bond is broken by digestive enzymes and thus a positive FIT test is specific to lower gastro-intestinal blood and not affected by red meat in the diet. Depending on the vendor, all Guiac tests and most of the FIT tests require that two or three separate stool samples be tested, usually on different days. We recommend using the full structure described below for reporting these results. The traditional panel of three Guiac tests is given below. [LOINC: 50196-5] Occult blood panel in Stool [LOINC: 14563-1] Hemoglobin.gastrointestinal [Presence] in Stool --1st specimen [LOINC: 14564-9] Hemoglobin.gastrointestinal [Presence] in Stool --2nd specimen [LOINC: 14565-6] Hemoglobin.gastrointestinal [Presence] in Stool --3rd specimen [LOINC: 38527-8] Number of specimens received of Stool [LOINC: 38526-0] Number of specimens tested of Stool							
889	LOINC also offers a panel for the FIT tests that enables the capture of up to three separate FIT tests, the name of the vendor, and the number of specimens recommended by the vendor. [LOINC: 57803-9] Occult blood panel in Stool by Immunologic method [LOINC: 7905-2]Hemoglobin.gastrointestinal [Presence] in Stool by Immunologic method – 1st specimen [LOINC: 56490-6] Hemoglobin.gastrointestinal [Presence] in Stool by Immunologic method – 2nd specimen [LOINC: 56491-4] Hemoglobin.gastrointestinal [Presence] in Stool by Immunologic method – 3rd specimen [LOINC: 59841-7] Vendor name [Identifier] in Unspecified specimen [LOINC: 57804-7] Number of occult blood specimens recommended by testing kit protocol [#] in Stool							
890	2335-8	Hemoglobin.gastrointestinal [Presence] in Stool	Chem-Occult Bld	351				Stool

	B	C	E	F	G	H	I	P
1	LOINC #	Long Common Name	Class Override	Rank	Example UCUM	Example UCUM Display	Comments	System Adjusted
891	14563-1	Hemoglobin.gastrointestinal [Presence] in Stool --1st specimen	Chem-Occult Bld	625				Stool
892	14564-9	Hemoglobin.gastrointestinal [Presence] in Stool --2nd specimen	Chem-Occult Bld	585				Stool
893	14565-6	Hemoglobin.gastrointestinal [Presence] in Stool --3rd specimen	Chem-Occult Bld	600				Stool
894	29771-3	Hemoglobin.gastrointestinal [Presence] in Stool by Immunologic method	Chem-Occult Bld	779			FIT test	Stool
895	56490-6	Hemoglobin.gastrointestinal [Presence] in Stool by Immunologic method --2nd specimen	Chem-Occult Bld	882			FIT test	Stool
896	56491-4	Hemoglobin.gastrointestinal [Presence] in Stool by Immunologic method --3rd specimen	Chem-Occult Bld	883			FIT test	Stool
897	57804-7	Number of occult blood specimens recommended by testing kit protocol [#] in Stool	Chem-Occult Bld	1232	{#}	#		Stool
898	59841-7	Vendor name [Identifier] in Unspecified specimen	Chem-Occult Bld	1655				XXX
899	Chem-Serum Electrophoresis							
900	2862-1	Albumin [Mass/volume] in Serum or Plasma by Electrophoresis	Chem-Serum Electrophoresis	313	g/dL	g/dL		Ser/Plas
901	2865-4	Alpha 1 globulin [Mass/volume] in Serum or Plasma by Electrophoresis	Chem-Serum Electrophoresis	315	g/dL	g/dL		Ser/Plas
902	2868-8	Alpha 2 globulin [Mass/volume] in Serum or Plasma by Electrophoresis	Chem-Serum Electrophoresis	316	g/dL	g/dL		Ser/Plas
903	2871-2	Beta globulin [Mass/volume] in Serum or Plasma by Electrophoresis	Chem-Serum Electrophoresis	314	g/dL	g/dL		Ser/Plas
904	2874-6	Gamma globulin [Mass/volume] in Serum or Plasma by Electrophoresis	Chem-Serum Electrophoresis	323	g/dL	g/dL		Ser/Plas
905	12851-2	Protein Fractions [interpretation] in Serum or Plasma by Electrophoresis	Chem-Serum Electrophoresis	307				Ser/Plas
906	14895-7	Protein Fractions [interpretation] in Serum or Plasma by Immunofixation	Chem-Serum Electrophoresis	403				Ser/Plas
907	33358-3	Protein.monoclonal [Mass/volume] in Serum or Plasma by Electrophoresis	Chem-Serum Electrophoresis	482	g/dL	g/dL		Ser/Plas
908	33647-9	Protein.monoclonal/Protein.total in Serum or Plasma by Electrophoresis	Chem-Serum Electrophoresis	1980	%	%		Ser/Plas
909	Chem-Stone Analysis							
910	16263-6	Calcium oxalate dihydrate crystals [Presence] in Stone by Infrared spectroscopy	Chem-Stone Analysis	1607				Calculus
911	16264-4	Calcium oxalate monohydrate crystals [Presence] in Stone by Infrared spectroscopy	Chem-Stone Analysis	1302				Calculus

	B	C	E	F	G	H	I	P
1	LOINC #	Long Common Name	Class Override	Rank	Example UCUM	Example UCUM Display	Comments	System Adjusted
912	16268-5	Calcium phosphate crystals [Presence] in Stone by Infrared spectroscopy	Chem-Stone Analysis	1423				Calculus
913	14638-1	Calculus analysis [interpretation] in Stone	Chem-Stone Analysis	923				Calculus
914	9796-4	Color of Stone	Chem-Stone Analysis	1308				Calculus
915	9795-6	Composition in Stone	Chem-Stone Analysis	1129				Calculus
916	42192-5	Nidus [Presence] in Stone	Chem-Stone Analysis	1624				Calculus
917	9802-0	Size [Entitic volume] of Stone	Chem-Stone Analysis	1309	mm3	mm3		Calculus
918	9804-6	Weight of Stone	Chem-Stone Analysis	1549	g	g		Calculus
919	Chem-Urine Protein Elph							
920	13438-7	Protein Fractions [interpretation] in Urine by Electrophoresis	Chem-Urine Protein Elph	867				Urine
921	13986-5	Albumin/Protein.total in 24 hour Urine by Electrophoresis	Chem-Urine Protein Elph	1339	%	%		Urine 24h
922	13984-0	Alpha 1 globulin/Protein.total in 24 hour Urine by Electrophoresis	Chem-Urine Protein Elph	1346	%	%		Urine 24h
923	13987-3	Alpha 2 globulin/Protein.total in 24 hour Urine by Electrophoresis	Chem-Urine Protein Elph	1049	%	%		Urine 24h
924	13988-1	Beta globulin/Protein.total in 24 hour Urine by Electrophoresis	Chem-Urine Protein Elph	1198	%	%		Urine 24h
925	13989-9	Gamma globulin/Protein.total in 24 hour Urine by Electrophoresis	Chem-Urine Protein Elph	1050	%	%		Urine 24h
926	42484-6	Protein.monoclonal/Protein.total in 24 hour Urine by Electrophoresis	Chem-Urine Protein Elph	1348	%	%		Urine 24h
927	6942-7	Albumin [Mass/volume] in Urine by Electrophoresis	Chem-Urine Protein Elph	1035	g/dL	g/dL		Urine spot
928	13992-3	Albumin/Protein.total in Urine by Electrophoresis	Chem-Urine Protein Elph	1015	%	%		Urine spot
929	13990-7	Alpha 1 globulin/Protein.total in Urine by Electrophoresis	Chem-Urine Protein Elph	1017	%	%		Urine spot
930	13993-1	Alpha 2 globulin/Protein.total in Urine by Electrophoresis	Chem-Urine Protein Elph	1254	%	%		Urine spot
931	13994-9	Beta globulin/Protein.total in Urine by Electrophoresis	Chem-Urine Protein Elph	1075	%	%		Urine spot
932	13995-6	Gamma globulin/Protein.total in Urine by Electrophoresis	Chem-Urine Protein Elph	1256	%	%		Urine spot

	B	C	E	F	G	H	I	P
1	LOINC #	Long Common Name	Class Override	Rank	Example UCUM	Example UCUM Display	Comments	System Adjusted
933	49047-4	Globulin [Mass/volume] in Urine by Electrophoresis	Chem-Urine Protein Elph	1228	mg/dL	mg/dL		Urine spot
934	42483-8	Protein.monoclonal/Protein.total in Urine by Electrophoresis	Chem-Urine Protein Elph	1399	%	%		Urine spot
935	17819-4	Albumin/Protein.total in unspecified time Urine by Electrophoresis	Chem-Urine Protein Elph	1859	%	%		Urine XXX duration
936	17811-1	Alpha 1 globulin/Protein.total in unspecified time Urine by Electrophoresis	Chem-Urine Protein Elph	1860	%	%		Urine XXX duration
937	17813-7	Alpha 2 globulin/Protein.total in unspecified time Urine by Electrophoresis	Chem-Urine Protein Elph	1861	%	%		Urine XXX duration
938	17815-2	Beta globulin/Protein.total in unspecified time Urine by Electrophoresis	Chem-Urine Protein Elph	1862	%	%		Urine XXX duration
939	17817-8	Gamma globulin/Protein.total in unspecified time Urine by Electrophoresis	Chem-Urine Protein Elph	1863	%	%		Urine XXX duration
940	Chem-vit D							
941	49054-0	25-Hydroxycalciferol [Mass/volume] in Serum or Plasma	Chem-vit D	661	ng/mL	ng/mL		Ser/Plas
942	1989-3	Calcidiol [Mass/volume] in Serum or Plasma	Chem-vit D	127	ng/mL	ng/mL		Ser/Plas
943	62292-8	25-Hydroxyvitamin D2+25-Hydroxyvitamin D3 [Mass/volume] in Serum or Plasma	Chem-vit D	632	ng/mL	ng/mL	v1-3: [LOINC: 49543-2] was deprecated because ambiguous. See term in LOINC database for more information. Replaced with [LOINC: 62292-8].	Ser/Plas
944	2236-8	Calciferol (Vit D2) [Mass/volume] in Serum or Plasma	Chem-vit D	391	pg/mL	pg/mL		Ser/Plas
945	1649-3	Calcitriol [Mass/volume] in Serum or Plasma	Chem-vit D	503	pg/mL	pg/mL		Ser/Plas
946	35365-6	Vitamin D+Metabolites [Mass/volume] in Serum or Plasma	Chem-vit D	500	ng/mL	ng/mL		Ser/Plas
947	Coagulation							

	B	C	E	F	G	H	I	P
1	LOINC #	Long Common Name	Class Override	Rank	Example UCUM	Example UCUM Display	Comments	System Adjusted
948	Coagulation tests are usually measured on platelet poor plasma (PPP). The LOINC specimen name will be "PPP." Laboratories rarely include any hint of the specimen name in coagulation tests because it can be inferred. Their laboratory manuals may leave out the subtle distinction between PPP and plasma and simply describe the specimen as plasma. Some coagulation measures, e.g., the INR and PT, are done in the main hospital lab, in which case the specimen is PPP. Or they may be done close to the patient with a Point of Care (POC) instrument, in which case the LOINC specimen is "Bld." Laboratories usually distinguish the point of care variant from the routine test by including "POC" and/or "Blood" in the test name. The amount of a given coagulation factor can be measured in three ways, and each will have its own LOINC code: 1) Via immune chemical methods that measure the amount of the protein that is the coagulation factor. Such tests will have "Ag" for antigen in the analyte part of the LOINC term and "Imm" (for immune method) in the method part of the name. 2) Via coagulation methods that measure the activity of the factor in terms of its ability to form a clot. 3) Via chromogenic methods that measure the biologic enzyme activity of the factor. LOINC tests representing a clotting method all have "Coag" in the method part of the name and chromogenic method all have "Chrom" in the method name. Coagulation activity can be reported in seconds, % of normal, or special units (e.g. INR units). Chromogenic measures are reported in U/mL (where U is the standard unit of enzyme activity), as IU/ml (when there is a WHO reference standard), or as a percentage of some normal rate. Reporting as percent of normal is the most prevalent approach in the US. The amount of the coagulation factor protein may be reported as a mass concentration, an arbitrary concentration (unit/ml), or a percent of normal. Tests for the same coagulation factor may have different LOINC codes depending on the kind of reporting units. Measures of the coagulation factor by antigenic measures tell you how much of the coagulation protein you have but not whether it is active. You need one of the activity measures to tell you that. Fibrinogen is a special case. One approach to fibrinogen testing uses a coagulation method to estimate the mass concentration of fibrinogen. NOTE: [LOINC: 49058-1] represents the aPTT measured on a blood sample drawn from a continuous renal replacement therapy (CRRT, or continuous hemodialysis) circuit. The test that detects the mutation that causes activated protein C resistance is [LOINC: 13589-7] Activated							
949	3184-9	Activated clotting time in Blood by Coagulation assay	Coagulation	268	s	s		Bld
950	3173-2	Activated partial thromboplastin time (aPTT) in Blood by Coagulation assay	Coagulation	77	s	s	Point of Care aPTT done on whole blood	Bld
951	13589-7	Activated protein C resistance [Presence] in Blood by Probe & target amplification method	Coagulation	1755			Detects the mutation that causes the resistance	Bld
952	34714-6	INR in Blood by Coagulation assay	Coagulation	206	{INR}	INR	Point of care INR done in whole blood	Bld
953	21032-8	Thrombin time [interpretation] in Blood	Coagulation	1113			Point of care Thrombin done on whole blood	Bld
954	49058-1	Activated partial thromboplastin time (aPTT) in Blood drawn from CRRT circuit by Coagulation assay	Coagulation	1897	s	s	CCRT is continuous hemodialysis	BldCRRT
955	14979-9	Activated partial thromboplastin time (aPTT) in Platelet poor plasma by Coagulation assay	Coagulation	147	s	s	Most coagulation studies use platelet poor plasma (PPP)	PPP
956	13590-5	Activated protein C resistance [Time Ratio] in Platelet poor plasma by Coagulation assay	Coagulation	797	{ratio}	ratio		PPP

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1	LOINC #	Long Common Name	Class Override	Rank	Example UCUM	Example UCUM Display	Comments	System Adjusted
957	20991-6	Antithrombin [interpretation] in Platelet poor plasma	Coagulation	1117				PPP
958	3174-0	Antithrombin [Units/volume] in Platelet poor plasma by Chromogenic method	Coagulation	1235	[IU]/mL	IU/mL		PPP
959	27811-9	Antithrombin actual/normal in Platelet poor plasma by Chromogenic method	Coagulation	760	%	%		PPP
960	3175-7	Antithrombin Ag [Units/volume] in Platelet poor plasma by Immunologic method	Coagulation	1553	[arb'U]/mL	arb'U/mL		PPP
961	3187-2	Coagulation factor IX activity actual/normal in Platelet poor plasma by Coagulation assay	Coagulation	1724	%	%		PPP
962	3193-0	Coagulation factor V activity actual/normal in Platelet poor plasma by Coagulation assay	Coagulation	1703	%	%		PPP
963	3198-9	Coagulation factor VII activity actual/normal in Platelet poor plasma by Coagulation assay	Coagulation	1752	%	%		PPP
964	3209-4	Coagulation factor VIII activity actual/normal in Platelet poor plasma by Coagulation assay	Coagulation	794	%	%		PPP
965	33984-6	Coagulation factor X activity actual/normal in Platelet poor plasma by Chromogenic method	Coagulation	1526	%	%		PPP
966	3218-5	Coagulation factor X activity actual/normal in Platelet poor plasma by Coagulation assay	Coagulation	1896	%	%		PPP
967	29280-5	Fibrin D-dimer [Presence] in Platelet poor plasma by Latex agglutination	Coagulation	1691				PPP
968	48066-5	Fibrin D-dimer DDU [Mass/volume] in Platelet poor plasma	Coagulation	517	ug/L{DDU}	ug/L DDU	Avoid quantitative D-Dimer codes that do not specify the measurement unit. DDU based measures produce markedly different values from the FEU measures and one has to know the difference to apply decision rules about DVT risk. Measures expressed in DDU have a high risk above 250 ug/L. Those expressed in FEU will have a high risk above 500 ug/L	PPP
969	48058-2	Fibrin D-dimer DDU [Mass/volume] in Platelet poor plasma by Immunoassay	Coagulation	499	ug/L{DDU}	ug/L DDU	Avoid quantitative D-Dimer codes that do not specify the measurement unit. DDU based measures produce markedly different values from the FEU measures and one has to know the difference to apply decision rules about DVT risk. Measures expressed in DDU have a high risk above 250 ug/L. Those expressed in FEU will have a high risk above 500 ug/L	PPP

	B	C	E	F	G	H	I	P
1	LOINC #	Long Common Name	Class Override	Rank	Example UCUM	Example UCUM Display	Comments	System Adjusted
970	48065-7	Fibrin D-dimer FEU [Mass/volume] in Platelet poor plasma	Coagulation	476	ng/mL{FEU}	ng/mL FEU	Avoid quantitative D-Dimer codes that do not specify the measurement unit. DDU based measures produce markedly different values from the FEU measures and one has to know the difference to apply decision rules about DVT risk. Measures expressed in DDU have a high risk above 250 ug/L. Those expressed in FEU will have a high risk above 500 ug/L	PPP
971	3255-7	Fibrinogen [Mass/volume] in Platelet poor plasma by Coagulation assay	Coagulation	267	mg/dL	mg/dL		PPP
972	3256-5	Fibrinogen Ag [Mass/volume] in Platelet poor plasma by Immunologic method	Coagulation	1290	mg/dL	mg/dL		PPP
973	6301-6	INR in Platelet poor plasma by Coagulation assay	Coagulation	53	{INR}	INR		PPP
974	48344-6	Kaolin activated time in Platelet poor plasma	Coagulation	1046	s	s		PPP
975	21027-8	Platelet aggregation [interpretation] in Platelet poor plasma	Coagulation	1864				PPP
976	6007-9	Protein C [Units/volume] in Platelet poor plasma by Coagulation assay	Coagulation	1278	[IU]/mL	IU/mL	In the US, most national laboratories report as a percent, so double check your units of measure before mapping. Ceprotin is the brand name for Protein C as an injectable concentrate.	PPP
977	27818-4	Protein C actual/normal in Platelet poor plasma by Chromogenic method *NOTE: enzymatic method	Coagulation	1210	%	%	Measures activity via enzymatic method	PPP
978	27819-2	Protein C actual/normal in Platelet poor plasma by Coagulation assay	Coagulation	886	%	%	Measures activity by coagulation method	PPP
979	6009-5	Protein C Ag [Units/volume] in Platelet poor plasma by Immunologic method	Coagulation	1430	[arb'U]/mL	arb'U/mL	Measures the amount of Protein C, whether it is functional or not. Many large national laboratories report Protein C Ag as a %. Be sure that you don't want [LOINC: 27820-0].	PPP
980	27820-0	Protein C Ag actual/normal in Platelet poor plasma by Immunologic method	Coagulation	1488	%	%	Measures amount of protein (as %) not the activity	PPP
981	5892-5	Protein S [Units/volume] in Platelet poor plasma by Coagulation assay	Coagulation	722	[IU]/mL	IU/mL	Measures activity via a coagulation method and reports as a concentration. Check to be sure that your local test is not being reported as %; if so map to [LOINC: 27822-6]. Coagulation activity is only available from the free fraction of Protein. So when the method measures activity, whether you call it "protein S free" or "Protein S" or protein S, you are measuring the same thing.	PPP
982	31102-7	Protein S actual/normal in Platelet poor plasma by Chromogenic method *NOTE: enzymatic method	Coagulation	1356	%	%	Measures activity via an enzymatic method	PPP

	B	C	E	F	G	H	I	P
1	LOINC #	Long Common Name	Class Override	Rank	Example UCUM	Example UCUM Display	Comments	System Adjusted
983	27822-6	Protein S actual/normal in Platelet poor plasma by Coagulation assay	Coagulation	1104	%	%	Measures activity via a coagulation method, reported as a % of normal. Coagulation activity is only available from the free fraction of Protein. So when the method measures activity, whether you call it "protein S free" or "Protein S" or protein S, you are measuring the same thing.	PPP
984	27823-4	Protein S Ag actual/normal in Platelet poor plasma by Immunologic method	Coagulation	1541	%	%	Measures amount of protein, reported as a % of normal.	PPP
985	27821-8	Protein S Free Ag actual/normal in Platelet poor plasma by Immunologic method	Coagulation	1552	%	%	Measures amount of free protein S, not the activity.	PPP
986	5902-2	Prothrombin time (PT) in Platelet poor plasma by Coagulation assay	Coagulation	47	s	s		PPP
987	3243-3	Thrombin time in Platelet poor plasma by Coagulation assay	Coagulation	705	s	s		PPP
988	6012-9	von Willebrand factor (vWf) Ag [Units/volume] in Platelet poor plasma by Immunologic method	Coagulation	1520	[IU]/mL	IU/mL	Measures the amount of vWF protein, reported as a concentration.	PPP
989	27816-8	von Willebrand factor (vWf) Ag actual/normal in Platelet poor plasma by Immunologic method	Coagulation	1126	%	%	Measures the amount of vWF protein, reported as a % of normal.	PPP
990	32217-2	von Willebrand factor (vWf) multimers [Presence] in Platelet poor plasma	Coagulation	1900				PPP
991	6014-5	von Willebrand factor (vWf) ristocetin cofactor actual/normal in Platelet poor plasma by Aggregation	Coagulation	1003	%	%	Measures the activity of vWF protein, reported as a % of normal in the presence of Ristocetin.	PPP
992	24378-2	Platelet aggregation epinephrine induced [Presence] in Platelet rich plasma	Coagulation	1667				PRP
993	34701-3	Platelet Ab.heparin induced [Presence] in Serum	Coagulation	693			More specific LOINC codes (e.g. LWW heparin) are also available. CAUTION - Laboratories often include PF4 in the name of this test. Be sure to distinguish from the measures of PF4 itself.	Ser
994	Coagulation - Heparin Ab & PF4							

	B	C	E	F	G	H	I	P
1	LOINC #	Long Common Name	Class Override	Rank	Example UCUM	Example UCUM Display	Comments	System Adjusted
995	Three kinds of tests are used to help diagnose Heparin-induced thrombocytopenia (HIT), which is also called Heparin-associated thrombocytopenia (HAT). 1) A measure of anti-platelet antibody induced by the heparin platelet factor 4 (PF4) complex. This is called variously "Heparin induced platelet antibody" (LOINC's approach) and Heparin-PF4 antibody. This test is based on immunologic measures usually reported in optical densities, or as present/absent, and is sensitive, but not specific, to the HIT syndrome. 2) A measure of platelet aggregation in the presence of heparin. This is also called a functional test for heparin induced platelet antibodies. 3) Another functional measure based on the release of serotonin in the presence of Heparin. See [LOINC: 50728-5] for example. The serotonin tests may be specific to challenge doses and type (unfractionated or low molecular weight heparin). LOINC has most of these variations, but most of them did not make it to the Top 2000+. The concentration of PF4 in platelets is 280,000 times the baseline concentration, so the plasma levels spike greatly with platelet activation. The concentration of PF4 protein is used to measure platelet activation. It is NOT used to diagnose the HIT syndrome. We bring PF4 into this discussion because some laboratories use PF4 as a shorthand name for the PF4–heparin complex induced antibodies. When you see PF4 in the local name, be doubly sure that it is referring to the PF4 protein [LOINC: 600-2] and not the PF4-Heparin complex antibody [LOINC: 34701-3] whose full name is usually Heparin Induced Antibody. To further complicate the matter, antibodies can develop against platelets due to other factors completely unrelated to Heparin. See for example [LOINC: 13063-3] or [LOINC: 6927-8]. So, map carefully in this space.						
996	33594-3	Platelet factor 4 [Presence] in Platelet poor plasma	Coagulation - Heparin Ab & PF4	1121			PF4 is used clinically to assess degree of platelet activation but specimen has to be collected meticulously. Some labs use PD4 as short hand for Heparin induced platelet Ab so be careful about mapping.	PPP
997	6002-0	Platelet factor 4 [Units/volume] in Platelet poor plasma	Coagulation - Heparin Ab & PF4	1002	{OD_units}	OD_units	PF4 is used clinically to assess degree of platelet activation but specimen has to be collected meticulously. Some labs use PD4 as short hand for Heparin induced platelet Ab so be careful about mapping.	PPP
998	Coagulation-Lupus Anti Coagulant							

	B	C	E	F	G	H	I	P
1	LOINC #	Long Common Name	Class Override	Rank	Example UCUM	Example UCUM Display	Comments	System Adjusted
999	Lupus anticoagulants are tests for the existence of anti-phospholipid antibodies that prolong aPTT and other measures of clotting function. The phenomena can be associated with both bleeding and excess clotting as well as miscarriages. The cardiolipin and the phosphatidyl antibodies also help to detect the lupus anticoagulant phenomenon. Antibodies to IgA, IgG, and/or IgM may be tested. At the core of lupus anticoagulation (LAC) testing are three different variations on one or more coagulation tests, usually aPTT and/or dRVVT. The first variation is the baseline measure with low phospholipid reagents, the second adds pooled plasma to the specimen to rule out factor deficiencies, and the third adds excess phospholipid. If the excess phospholipid corrects the abnormality, that indicates the likely presence of LAC. As one example, [LOINC: 3282-1] represents Excess phospholipid (hexagonal phospholipid) and is used in Staclot brand. If the excess phospholipid corrects clotting, that confirms Lupus anticoagulant. Laboratories have employed many different ways to describe each variation, e.g., different measures of the incubation time with the pooled plasma, different sources of excess phospholipid (e.g., platelets, hexagonal phospholipid), different ways to assess the difference between the baseline and excess phospholipid result, and they might run the set of three measures on as many as four different clotting tests. LOINC dutifully created terms for each of these variations as laboratories requested them. But, this yielded an often bewildering array of choices for mapper. To counter this problem, LOINC created two panels that represent the strongest consensus on how to report lupus anticoagulant screening. One panel includes the three different measures using two different anticoagulation tests (aPTT and dRVVT). The other adds PT to yield a panel of three tests each measured three different ways. These two panels are, respectively: [LOINC: 75881-3] Lupus anticoagulant aPTT, dRVVT and PT screening panel W Reflex [LOINC: 75515-7] Lupus anticoagulant aPTT and dRVVT screening panel W Reflex We only include the children of the larger panel [LOINC: 75881-3] below, because the smaller panel [LOINC: 75515-7] is a subset of it. The rank values for these newly-added tests are not based on empirical data from the original sources, so we use 3000 as a temporary placeholder. The panel descriptions for [LOINC: 75881-3] and [LOINC: 75515-7] contain information about how these panels were derived and some internal alternatives to accommodate minor variations in reporting styles. You should try to use only the tests in these panels to map your LAC tests, and encourage your laboratories to report in the confines of this conceptualization in order to make the delivered test results more							
1000	**75881-3**	**Lupus anticoagulant aPTT, dRVVT and PT screening panel W Reflex**						
1001	**75515-7**	**Lupus anticoagulant aPTT and dRVVT screening panel W Reflex**						
1002	34571-0	aPTT.lupus sensitive (LA screen)	Coagulation-Lupus Anti Coagulant	3000	s	s		PPP
1003	48022-8	aPTT.lupus sensitive actual/normal (normalized LA screen)	Coagulation-Lupus Anti Coagulant	3000				PPP

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1	LOINC #	Long Common Name	Class Override	Rank	Example UCUM	Example UCUM Display	Comments	System Adjusted
1004	75506-6	aPTT.lupus sensitive W excess phospholipid (LA confirm)	Coagulation-Lupus Anti Coagulant	3000	s	s		PPP
1005	75508-2	aPTT.lupus sensitive W excess phospholipid actual/Normal (normalized LA confirm)	Coagulation-Lupus Anti Coagulant	3000	%	%		PPP
1006	75507-4	aPTT.lupus sensitive W excess phospholipid percent correction	Coagulation-Lupus Anti Coagulant	3000	%	%		PPP
1007	75510-8	aPTT.lupus sensitive with 1:1 PNP (LA mix)	Coagulation-Lupus Anti Coagulant	3000	s	s		PPP
1008	75509-0	aPTT.lupus sensitive with 1:1 PNP actual/Normal (normalized LA mix)	Coagulation-Lupus Anti Coagulant	3000	%	%		PPP
1009	75884-7	aPTT.lupus sensitive/aPTT.lupus sensitive W excess phospholipid (screen to confirm ratio)	Coagulation-Lupus Anti Coagulant	3000	{Ratio}	{Ratio}		PPP
1010	15359-3	dRVVT actual/normal (normalized LA screen)	Coagulation-Lupus Anti Coagulant	1167	%	%		PPP
1011	57838-5	dRVVT W excess phospholipid (LA confirm)	Coagulation-Lupus Anti Coagulant	3000	s	s		PPP
1012	68916-6	dRVVT W excess phospholipid actual/normal (normalized LA confirm)	Coagulation-Lupus Anti Coagulant	3000	%	%		PPP
1013	6303-2	dRVVT LA screen	Coagulation-Lupus Anti Coagulant	759	s	s		PPP
1014	75513-2	dRVVT with 1:1 PNP (LA mix)	Coagulation-Lupus Anti Coagulant	1929	s	s		PPP
1015	75512-4	dRVVT with 1:1 PNP actual/normal (normalized LA mix)	Coagulation-Lupus Anti Coagulant	3000	%	%		PPP
1016	50410-0	dRVVT/dRVVT W excess phospholipid (screen to confirm ratio)	Coagulation-Lupus Anti Coagulant	3000				PPP
1017	75882-1	Lupus anticoagulant three screening tests W Reflex [interpretation]	Coagulation-Lupus Anti Coagulant	647				PPP

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1	LOINC #	Long Common Name	Class Override	Rank	Example UCUM	Example UCUM Display	Comments	System Adjusted
1018	5902-2	Prothrombin time (PT)	Coagulation-Lupus Anti Coagulant	47	s	s		PPP
1019	5894-1	Prothrombin time (PT) actual/Normal	Coagulation-Lupus Anti Coagulant	3000	%	%		PPP
1020	5959-2	Prothrombin time (PT) factor substitution in Platelet poor plasma by Coagulation assay --immediately after addition of normal plasma	Coagulation-Lupus Anti Coagulant	1937	s	s	Addition of factors (usually as pooled plasma) eliminates possibility that the abnormality due to a factor deficiency	PPP
1021	6683-7	Reptilase time	Coagulation-Lupus Anti Coagulant	3000	s	s		PPP
1022	68326-8	Reptilase time actual/Normal	Coagulation-Lupus Anti Coagulant	3000	%	%		PPP
1023	75511-6	dRVVT W excess phospholipid percent correction	Coagulation-Lupus Anti Coagulant	3000	%	%		PPP
1024	3243-3	Thrombin time	Coagulation-Lupus Anti Coagulant	705	s	s		PPP
1025	68325-0	Thrombin time actual/Normal	Coagulation-Lupus Anti Coagulant	3000	%	%		PPP
1026	**Older Terms for Lupus Anticoagulant from original Top 2000**							
1027	15191-0	Lupus anticoagulant neutralization dilute phospholipid [Presence] in Platelet poor plasma	Coagulation-Lupus Anti Coagulant	1189				PPP
1028	3284-7	Lupus anticoagulant neutralization platelet [Time] in Platelet poor plasma by Coagulation assay	Coagulation-Lupus Anti Coagulant	811	s	s	When the addition of excess phospholipid (provided by addition of platelets) corrects clotting, it confirms LAC.	PPP
1029	3282-1	aPTT W excess hexagonal phase phospholipid in Platelet poor plasma by Coagulation assay	Coagulation-Lupus Anti Coagulant	1427	s	s		PPP
1030	43734-3	aPTT in Platelet poor plasma by Coagulation 1:1 saline	Coagulation-Lupus Anti Coagulant	1928	s	s		PPP
1031	5946-9	aPTT.factor substitution in Platelet poor plasma by Coagulation assay --immediately after addition of normal plasma	Coagulation-Lupus Anti Coagulant	1496	s	s		PPP

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1	LOINC #	Long Common Name	Class Override	Rank	Example UCUM	Example UCUM Display	Comments	System Adjusted
1032	33673-5	Thrombin time.factor substitution in Platelet poor plasma by Coagulation assay --immediately after addition of protamine sulfate	Coagulation-Lupus Anti Coagulant	1069	s	s		PPP
1033	**Lupus Antibodies**							
1034	5076-5	Cardiolipin IgA Ab [Units/volume] in Serum by Immunoassay	Coagulation-Lupus Anti Coagulant	887	[APL'U]/mL	APL'U/mL		Ser
1035	20424-8	Cardiolipin IgG Ab [interpretation] in Serum	Coagulation-Lupus Anti Coagulant	1590				Ser
1036	3181-5	Cardiolipin IgG Ab [Units/volume] in Serum by Immunoassay	Coagulation-Lupus Anti Coagulant	504	[GPL'U]/mL	GPL'U/mL		Ser
1037	20425-5	Cardiolipin IgM Ab [interpretation] in Serum	Coagulation-Lupus Anti Coagulant	1588				Ser
1038	3182-3	Cardiolipin IgM Ab [Units/volume] in Serum by Immunoassay	Coagulation-Lupus Anti Coagulant	505	[MPL'U]/mL	MPL'U/mL		Ser
1039	32031-7	Phosphatidylserine IgA Ab [Units/volume] in Serum by Immunoassay	Coagulation-Lupus Anti Coagulant	1428	[APL'U]/mL	APL'U/mL		Ser
1040	9326-0	Phosphatidylserine IgG Ab [Presence] in Serum by Immunoassay	Coagulation-Lupus Anti Coagulant	1881				Ser
1041	32032-5	Phosphatidylserine IgG Ab [Units/volume] in Serum by Immunoassay	Coagulation-Lupus Anti Coagulant	1089	{APS'U}	APS'U		Ser
1042	9327-8	Phosphatidylserine IgM Ab [Presence] in Serum by Immunoassay	Coagulation-Lupus Anti Coagulant	848				Ser
1043	14246-3	Phosphatidylserine IgM Ab [Units/volume] in Serum	Coagulation-Lupus Anti Coagulant	1895	{MPS'U}	MPS'U		Ser
1044	32033-3	Phosphatidylserine IgM Ab [Units/volume] in Serum by Immunoassay	Coagulation-Lupus Anti Coagulant	2008	{MPS'U}	MPS'U		Ser
1045	Cytology							
1046	8665-2	Date last menstrual period	Cytology	885	{date}	date		^Patient
1047	10524-7	Microscopic observation [Identifier] in Cervix by Cyto stain	Cytology	484				Cvx

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1	LOINC #	Long Common Name	Class Override	Rank	Example UCUM	Example UCUM Display	Comments	System Adjusted
1048	18500-9	Microscopic observation [Identifier] in Cervix by Cyto stain.thin prep	Cytology	1048				Cvx
1049	19767-3	Cytologist who read Cyto stain of Cervical or vaginal smear or scraping	Cytology	109				Cvx/Vag
1050	47528-5	Cytology report of Cervical or vaginal smear or scraping Cyto stain	Cytology	798				Cvx/Vag
1051	47527-7	Cytology report of Cervical or vaginal smear or scraping Cyto stain.thin prep	Cytology	85				Cvx/Vag
1052	19774-9	Cytology study comment Cervical or vaginal smear or scraping Cyto stain	Cytology	945				Cvx/Vag
1053	19769-9	Pathologist who read Cyto stain of Cervical or vaginal smear or scraping	Cytology	115				Cvx/Vag
1054	19773-1	Recommended follow-up [Identifier] in Cervical or vaginal smear or scraping by Cyto stain	Cytology	114				Cvx/Vag
1055	19768-1	Reviewing cytologist who read Cyto stain of Cervical or vaginal smear or scraping	Cytology	1656				Cvx/Vag
1056	19763-2	Specimen source [Identifier] in Cervical or vaginal smear or scraping by Cyto stain	Cytology	110				Cvx/Vag
1057	19764-0	Statement of adequacy [interpretation] of Cervical or vaginal smear or scraping by Cyto stain	Cytology	108				Cvx/Vag
1058	49050-8	Microscopic observation [Identifier] in Endocervical brush by Cyto stain	Cytology	750				Endocervical brush
1059	10526-2	Microscopic observation [Identifier] in Sputum by Cyto stain	Cytology	1935				Sputum
1060	33718-8	Cytology report of Tissue fine needle aspirate Cyto stain	Cytology	943				Tiss.FNA
1061	27045-4	Microscopic exam [interpretation] of Urine by Cytology	Cytology	163				Urine
1062	11070-0	Microscopic observation [Identifier] in Urine by Cyto stain	Cytology	1251				Urine
1063	10525-4	Microscopic observation [Identifier] in Unspecified specimen by Cyto stain	Cytology	1498				XXX
1064	33716-2	Non-gynecological cytology method study	Cytology	773				XXX
1065	Drug/Tox							

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1	LOINC #	Long Common Name	Class Override	Rank	Example UCUM	Example UCUM Display	Comments	System Adjusted
1066	Drug/Tox is a very large class, with more than 7,500 distinct codes. This class includes medications whose levels are monitored, heavy metals, drugs of abuse, synthetic cannabinoids and hazardous industrial chemicals. Routine laboratories might want to exclude Tox terms when they are mapping their common chemistries. (Tip: add "-tox" to the search string). For most abusable and/or illicit drugs/substances, LOINC provides distinct codes for testing done on a variety of specimens, such as urine, serum, hair, saliva, meconium, and amniotic fluid. Urine, serum, and meconium are the only specimens for drug testing you will see in the Top 2000+. The rest can be found in the full LOINC database. For urine and serum testing, LOINC usually provides different codes for screening and confirming the presence of a given substance. Some substances are easier to find in the urine than in serum because the kidney concentrates them. For some substances, the testing targets a metabolic breakdown product that persists longer in the body than the original substance. Typically the screening is done as a qualitative test and the result is reported as presence or absence (negative/ positive) based on a cut-off level. The cut-off is sometimes included in the value, e.g. "neg < 50 ug/ml" and other times reported in the reference range. Be aware of the distinction between screening tests and confirmatory tests. Names for screening tests usually contain the word "screen" or an equivalent abbreviation, for example "Opiates serum scr." Most commonly, the screening test is an immune assay and the confirm test is a sophisticated chromatographic or mass spectrometry test. However, LOINC distinguishes toxicology tests for drugs and abusable substances via screen and confirm rather than by specific detection technologies because that is what the industry does. A positive screening test will be followed by a confirmatory test done by a different method, usually one that is more specific than the screening test. Negative confirmatory test results always trump positive screening tests, so when confirmatory testing is done, the laboratory usually does not report the results of a positive screening test. Confirmatory tests may be reported as quantitative or qualitative, and LOINC has different codes for each. (Home test kits are also available.) Some LOINC test names set the detection cut off in the name.							
1067	Therapeutic drug monitoring (TDM) tests are also included in the LOINC class "DRUG/TOX". These TDM tests are all quantitative tests done mostly on serum/plasma. For TDM testing for aminoglycosides and a few other antibiotics, antiepileptics and immunosuppressant drugs, LOINC includes codes for peak (post-dose) and trough (pre-dose) levels as well as a generic code that makes no statement about the timing relative to the dose. Some laboratories call this latter case "random." Be sure to distinguish these cases when you are mapping. For example: Mass Concentration [LOINC: 4090-7] Vancomycin [Mass/volume] in Serum or Plasma --peak [LOINC: 4092-3] Vancomycin [Mass/volume] in Serum or Plasma --trough [LOINC: 20578-1] Vancomycin [Mass/volume] in Serum or Plasma (Use for random levels) Substance Concentration [LOINC: 39796-8] Vancomycin [Moles/volume] in Serum or Plasma –peak [LOINC: 39797-6] Vancomycin [Moles/volume] in Serum or Plasma --trough [LOINC: 31012-8] Vancomycin [Moles/volume] in Serum or Plasma (Use for random levels)							
1068	5583-0	Arsenic [Mass/volume] in Blood	Drug/Tox	1779	ug/dL	ug/dL		Bld
1069	3520-4	Cyclosporine [Mass/volume] in Blood	Drug/Tox	474	ng/mL	ng/mL		Bld
1070	5640-8	Ethanol [Mass/volume] in Blood	Drug/Tox	597	mg/dL	mg/dL		Bld
1071	5639-0	Ethanol [Presence] in Blood	Drug/Tox	826				Bld

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1072	5671-3	Lead [Mass/volume] in Blood	Drug/Tox	266	ug/dL	ug/dL	Heavy metals are also done in RBC/vol	Bld
1073	5685-3	Mercury [Mass/volume] in Blood	Drug/Tox	1314	ng/mL	ng/mL	Heavy metals are also done in RBC/vol	Bld
1074	29247-4	Sirolimus [Mass/volume] in Blood	Drug/Tox	485	ng/mL	ng/mL	Bld is the preferred specimen	Bld
1075	11253-2	Tacrolimus [Mass/volume] in Blood	Drug/Tox	216	ng/mL	ng/mL	Bld is the preferred specimen	Bld
1076	8144-8	Amphetamines [Presence] in Meconium	Drug/Tox	1454				Meconium
1077	8146-3	Amphetamines [Presence] in Meconium by Screen method	Drug/Tox	1116				Meconium
1078	8187-7	Benzoylecgonine [Presence] in Meconium	Drug/Tox	1074				Meconium
1079	31080-5	Cannabinoids [Presence] in Meconium by Screen method	Drug/Tox	1434				Meconium
1080	40527-4	Cocaine [Presence] in Meconium	Drug/Tox	1448				Meconium
1081	8214-9	Opiates [Presence] in Meconium	Drug/Tox	1417				Meconium
1082	8216-4	Opiates [Presence] in Meconium by Screen method	Drug/Tox	1125				Meconium
1083	8234-7	Phencyclidine [Presence] in Meconium by Screen method	Drug/Tox	930				Meconium
1084	8169-5	Tetrahydrocannabinol [Presence] in Meconium by Screen method	Drug/Tox	1122			A marijuana metabolite, also called THC.	Meconium
1085	31019-3	10-Hydroxycarbazepine [Mass/volume] in Serum or Plasma	Drug/Tox	1473	ug/mL	ug/mL		Ser/Plas
1086	3298-7	Acetaminophen [Mass/volume] in Serum or Plasma	Drug/Tox	402	ug/mL	ug/mL		Ser/Plas
1087	35595-8	Acetaminophen [Mass/volume] in Serum or Plasma by Screen method	Drug/Tox	1819	ug/mL	ug/mL		Ser/Plas
1088	3297-9	Acetaminophen [Presence] in Serum or Plasma	Drug/Tox	829				Ser/Plas
1089	5568-1	Acetone [Mass/volume] in Serum or Plasma	Drug/Tox	1019	mg/dL	mg/dL		Ser/Plas
1090	20469-3	Acetone [Presence] in Serum or Plasma by Screen method	Drug/Tox	1801				Ser/Plas
1091	49578-8	Aminocaproate cutoff [Mass/volume] in Serum or Plasma	Drug/Tox	1806	ug/mL	ug/mL	Used when laboratories report the cut off as a separate observation	Ser/Plas
1092	8149-7	Amphetamines [Presence] in Serum or Plasma by Screen method	Drug/Tox	926				Ser/Plas
1093	3376-1	Barbiturates [Presence] in Serum, Plasma or Blood	Drug/Tox	520				Ser/Plas
1094	3389-4	Benzodiazepines [Presence] in Serum or Plasma	Drug/Tox	536				Ser/Plas
1095	3422-3	Caffeine [Mass/volume] in Serum or Plasma	Drug/Tox	1493	ug/mL	ug/mL		Ser/Plas
1096	3432-2	Carbamazepine [Mass/volume] in Serum or Plasma	Drug/Tox	671	ug/mL	ug/mL		Ser/Plas
1097	35603-0	Clonazepam [Mass/volume] in Serum or Plasma by Screen method	Drug/Tox	1699	ug/mL	ug/mL		Ser/Plas
1098	8191-9	Cocaine [Presence] in Serum or Plasma by Screen method	Drug/Tox	924			NOTE: Cocaine is also detected through its metabolite benzoylecgomine.	Ser/Plas
1099	5631-7	Copper [Mass/volume] in Serum or Plasma	Drug/Tox	1184	ug/dL	ug/dL		Ser/Plas
1100	10535-3	Digoxin [Mass/volume] in Serum or Plasma	Drug/Tox	357	ng/mL	ng/mL		Ser/Plas
1101	5643-2	Ethanol [Mass/volume] in Serum or Plasma	Drug/Tox	365	mg/dL	mg/dL		Ser/Plas
1102	5646-5	Ethylene glycol [Mass/volume] in Serum or Plasma	Drug/Tox	1610	ug/mL	ug/mL		Ser/Plas
1103	35668-3	Gentamicin [Mass/volume] in Serum or Plasma	Drug/Tox	1092	mg/L	mg/L	Use this code for random Gentamicin tests (it is equivalent).	Ser/Plas
1104	3663-2	Gentamicin [Mass/volume] in Serum or Plasma --peak	Drug/Tox	965	mg/L	mg/L		Ser/Plas
1105	3665-7	Gentamicin [Mass/volume] in Serum or Plasma --trough	Drug/Tox	871	mg/L	mg/L		Ser/Plas
1106	5669-7	Isopropanol [Mass/volume] in Serum or Plasma	Drug/Tox	1528	mg/dL	mg/dL		Ser/Plas
1107	6948-4	Lamotrigine [Mass/volume] in Serum or Plasma	Drug/Tox	957	ug/mL	ug/mL		Ser/Plas
1108	10912-4	Lead [Mass/volume] in Serum or Plasma	Drug/Tox	1231	ug/dL	ug/dL		Ser/Plas
1109	30471-7	Levetiracetam [Mass/volume] in Serum or Plasma	Drug/Tox	1022	ug/mL	ug/mL		Ser/Plas

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1110	3714-3	Lidocaine [Mass/volume] in Serum or Plasma	Drug/Tox	1934	ug/mL	ug/mL		Ser/Plas
1111	3719-2	Lithium [Mass/volume] in Serum or Plasma	Drug/Tox	1038			CAUTION: Because Lithium is the positive ion of salt, it is most commonly reported as moles/volume [LOINC: 14334-7], not as a mass concentration [LOINC: 3719-2].	Ser/Plas
1112	14334-7	Lithium [Moles/volume] in Serum or Plasma	Drug/Tox	667	mol/L	mol/L	Because Lithium is the positive ion of salt, it is most commonly reported as mole/volume [LOINC: 14334-7], not as a mass concentration [LOINC: 3719-2].	Ser/Plas
1113	5693-7	Methanol [Mass/volume] in Serum or Plasma	Drug/Tox	1352	mg/dL	mg/dL		Ser/Plas
1114	14836-1	Methotrexate [Moles/volume] in Serum or Plasma	Drug/Tox	877	umol/L	umol/L		Ser/Plas
1115	23905-3	Mycophenolate [Mass/volume] in Serum or Plasma	Drug/Tox	1787	ug/mL	ug/mL		Ser/Plas
1116	35622-0	Nordiazepam [Mass/volume] in Serum or Plasma by Screen method	Drug/Tox	1782	ug/mL	ug/mL		Ser/Plas
1117	35331-8	Oxcarbazepine [Mass/volume] in Serum or Plasma	Drug/Tox	1659	ug/mL	ug/mL		Ser/Plas
1118	3948-7	Phenobarbital [Mass/volume] in Serum or Plasma	Drug/Tox	710	ug/mL	ug/mL		Ser/Plas
1119	3968-5	Phenytoin [Mass/volume] in Serum or Plasma	Drug/Tox	356	ug/mL	ug/mL		Ser/Plas
1120	3969-3	Phenytoin Free [Mass/volume] in Serum or Plasma	Drug/Tox	1581	ug/mL	ug/mL		Ser/Plas
1121	4024-6	Salicylates [Mass/volume] in Serum or Plasma	Drug/Tox	464	mg/dL	mg/dL		Ser/Plas
1122	35597-4	Salicylates [Mass/volume] in Serum or Plasma by Screen method	Drug/Tox	870	mg/dL	mg/dL		Ser/Plas
1123	4023-8	Salicylates [Presence] in Serum or Plasma	Drug/Tox	832				Ser/Plas
1124	5724-0	Selenium [Mass/volume] in Serum or Plasma	Drug/Tox	1614	ng/mL	ng/mL		Ser/Plas
1125	4049-3	Theophylline [Mass/volume] in Serum or Plasma	Drug/Tox	1059	ug/mL	ug/mL		Ser/Plas
1126	35670-9	Tobramycin [Mass/volume] in Serum or Plasma	Drug/Tox	1858	mg/L	mg/L		Ser/Plas
1127	4057-6	Tobramycin [Mass/volume] in Serum or Plasma --peak	Drug/Tox	1574	ug/mL	ug/mL		Ser/Plas
1128	4059-2	Tobramycin [Mass/volume] in Serum or Plasma --trough	Drug/Tox	1537	ug/ml	ug/ml		Ser/Plas
1129	17713-9	Topiramate [Mass/volume] in Serum or Plasma	Drug/Tox	1804	ug/mL	ug/mL		Ser/Plas
1130	4073-3	Tricyclic antidepressants [Presence] in Serum or Plasma	Drug/Tox	421				Ser/Plas
1131	4086-5	Valproate [Mass/volume] in Serum or Plasma	Drug/Tox	408	ug/mL	ug/mL		Ser/Plas
1132	20578-1	Vancomycin [Mass/volume] in Serum or Plasma	Drug/Tox	2009	ug/mL	ug/mL	Use this code for random Vancomycin tests (it is equivalent).	Ser/Plas
1133	4090-7	Vancomycin [Mass/volume] in Serum or Plasma --peak	Drug/Tox	937	ug/mL	ug/mL		Ser/Plas
1134	4092-3	Vancomycin [Mass/volume] in Serum or Plasma --trough	Drug/Tox	382	ug/mL	ug/mL		Ser/Plas
1135	5763-8	Zinc [Mass/volume] in Serum or Plasma	Drug/Tox	739	ug/mL	ug/mL		Ser/Plas
1136	19593-3	6-Monoacetylmorphine (6-MAM) [Mass/volume] in Urine by Confirmatory method	Drug/Tox	1646	ng/mL	ng/mL		Urine
1137	10976-9	6-Monoacetylmorphine (6-MAM) [Presence] in Urine	Drug/Tox	815				Urine
1138	3299-5	Acetaminophen [Presence] in Urine	Drug/Tox	742				Urine
1139	5569-9	Acetone [Presence] in Urine	Drug/Tox	473				Urine

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1	LOINC #	Long Common Name	Class Override	Rank	Example UCUM	Example UCUM Display	Comments	System Adjusted
1140	19343-3	Amphetamine [Presence] in Urine by Screen method	Drug/Tox	656			CAUTION: Amphetamine (singular) defines one compound. Amphetamines (plural) specifies a class of compounds, e.g. methamphetamine, amphetamine, MDMA (ecstasy), MDEA (Eve), etc.	Urine
1141	8150-5	Amphetamines [Mass/volume] in Urine	Drug/Tox	1361	ug/L	ug/L	CAUTION: Amphetamine (singular) defines one compound. Amphetamines (plural) specifies a class of compounds, e.g. methamphetamine, amphetamine, MDMA (ecstasy), MDEA (Eve), etc.	Urine
1142	3349-8	Amphetamines [Presence] in Urine	Drug/Tox	214			CAUTION: Amphetamine (singular) defines one compound. Amphetamines (plural) specifies a class of compounds, e.g. methamphetamine, amphetamine, MDMA (ecstasy), MDEA (Eve), etc.	Urine
1143	19261-7	Amphetamines [Presence] in Urine by Screen method	Drug/Tox	1508			CAUTION: Amphetamine (singular) defines one compound. Amphetamines (plural) specifies a class of compounds, e.g. methamphetamine, amphetamine, MDMA (ecstasy), MDEA (Eve), etc.	Urine
1144	33915-0	Anabasine [Mass/volume] in Urine	Drug/Tox	1372	ng/mL	ng/mL		Urine
1145	9426-8	Barbiturates [Mass/volume] in Urine	Drug/Tox	1365	ug/mL	ug/mL		Urine
1146	3377-9	Barbiturates [Presence] in Urine	Drug/Tox	207				Urine
1147	19270-8	Barbiturates [Presence] in Urine by Screen method	Drug/Tox	706				Urine
1148	9428-4	Benzodiazepines [Mass/volume] in Urine	Drug/Tox	1367	ug/L	ug/L		Urine
1149	3390-2	Benzodiazepines [Presence] in Urine	Drug/Tox	196				Urine
1150	16195-0	Benzodiazepines [Presence] in Urine by Confirmatory method	Drug/Tox	1915				Urine
1151	14316-4	Benzodiazepines [Presence] in Urine by Screen method	Drug/Tox	1307				Urine
1152	3393-6	Benzoylecgonine [Presence] in Urine	Drug/Tox	293			Major metabolite of cocaine.	Urine
1153	14314-9	Benzoylecgonine [Presence] in Urine by Screen method	Drug/Tox	719			Major metabolite of cocaine.	Urine
1154	3414-0	Buprenorphine [Presence] in Urine	Drug/Tox	812				Urine
1155	18282-4	Cannabinoids [Presence] in Urine by Screen method	Drug/Tox	224			Detects a variety of marijuana metabolite, such as THC-COOH.	Urine
1156	26760-9	Cannabinoids [Units/volume] in Urine	Drug/Tox	768	ng/mL	ng/mL	Detects a variety of marijuana metabolite, such as THC-COOH.	Urine
1157	19287-2	Cannabinoids tested for in Urine by Screen method Nominal	Drug/Tox	1715				Urine
1158	3436-3	Carboxy tetrahydrocannabinol [Mass/volume] in Urine	Drug/Tox	1840	ng/mL	ng/mL	Detects a variety of marijuana metabolite, such as THC-COOH.	Urine
1159	3397-7	Cocaine [Presence] in Urine	Drug/Tox	301				Urine
1160	16250-3	Codeine [Mass/volume] in Urine by Confirmatory method	Drug/Tox	1445	ng/mL	ng/mL		Urine
1161	3507-1	Codeine [Presence] in Urine	Drug/Tox	1323				Urine
1162	10366-3	Cotinine [Mass/volume] in Urine	Drug/Tox	674	ng/mL	ng/mL	Metabolite of nicotine. Used to test for smoking.	Urine

	B	C	E	F	G	H	I	P
1	LOINC #	Long Common Name	Class Override	Rank	Example UCUM	Example UCUM Display	Comments	System Adjusted
1163	40464-0	Drugs identified in Urine by Confirmatory method	Drug/Tox	1711			The reported value of this observation would be the name or ID for one or more drug species.	Urine
1164	12286-1	Drugs identified in Urine by Screen method	Drug/Tox	1071			The reported value of this observation would be the name or ID for one or more drug species.	Urine
1165	5645-7	Ethanol [Mass/volume] in Urine	Drug/Tox	892	mg/dL	mg/dL		Urine
1166	5644-0	Ethanol [Presence] in Urine	Drug/Tox	1651				Urine
1167	11235-9	Fentanyl [Presence] in Urine	Drug/Tox	1509				Urine
1168	12308-3	Hydrocodone [Presence] in Urine	Drug/Tox	1622				Urine
1169	9834-3	Hydromorphone [Presence] in Urine	Drug/Tox	1623				Urine
1170	3746-5	Meperidine [Presence] in Urine	Drug/Tox	1268				Urine
1171	3773-9	Methadone [Presence] in Urine	Drug/Tox	417				Urine
1172	19550-3	Methadone [Presence] in Urine by Screen method	Drug/Tox	629				Urine
1173	3779-6	Methamphetamine [Presence] in Urine	Drug/Tox	634				Urine
1174	19554-5	Methamphetamine [Presence] in Urine by Screen method	Drug/Tox	663				Urine
1175	3786-1	Methaqualone [Presence] in Urine	Drug/Tox	1799				Urine
1176	16251-1	Morphine [Mass/volume] in Urine by Confirmatory method	Drug/Tox	1466	ng/mL	ng/mL		Urine
1177	3830-7	Morphine [Presence] in Urine	Drug/Tox	1350				Urine
1178	3854-7	Nicotine [Mass/volume] in Urine	Drug/Tox	802	ng/mL	ng/mL	Used to test for tobacco smoking	Urine
1179	16228-9	Nordiazepam [Mass/volume] in Urine by Confirmatory method	Drug/Tox	1759	ng/mL	ng/mL		Urine
1180	3861-2	Nordiazepam [Presence] in Urine	Drug/Tox	1835				Urine
1181	33917-6	Nornicotine [Mass/volume] in Urine	Drug/Tox	1665	ng/mL	ng/mL	Metabolite of nicotine, used to test for tobacco smoking.	Urine
1182	8220-6	Opiates [Mass/volume] in Urine	Drug/Tox	1758	ng/mL	ng/mL		Urine
1183	3879-4	Opiates [Presence] in Urine	Drug/Tox	195				Urine
1184	18390-5	Opiates [Presence] in Urine by Confirmatory method	Drug/Tox	553				Urine
1185	19295-5	Opiates [Presence] in Urine by Screen method	Drug/Tox	987				Urine
1186	19296-3	Opiates tested for in Urine by Screen method Nominal	Drug/Tox	1139			The values reported would be the names of the opiates that could be detected by the procedure	Urine
1187	16201-6	Oxazepam [Mass/volume] in Urine by Confirmatory method	Drug/Tox	1756	ng/mL	ng/mL		Urine
1188	12361-2	Oxazepam [Presence] in Urine	Drug/Tox	1836				Urine
1189	16249-5	Oxycodone [Mass/volume] in Urine by Confirmatory method	Drug/Tox	1625	ng/mL	ng/mL		Urine
1190	10998-3	Oxycodone [Presence] in Urine	Drug/Tox	814				Urine
1191	19643-6	Oxycodone [Presence] in Urine by Confirmatory method	Drug/Tox	1628				Urine
1192	17395-5	Oxymorphone [Mass/volume] in Urine by Confirmatory method	Drug/Tox	1631	ng/mL	ng/mL		Urine
1193	18325-1	Oxymorphone [Presence] in Urine by Confirmatory method	Drug/Tox	1629				Urine
1194	3936-2	Phencyclidine [Presence] in Urine	Drug/Tox	321				Urine
1195	19659-2	Phencyclidine [Presence] in Urine by Screen method	Drug/Tox	273				Urine
1196	3545-1	Propoxyphene [Mass/volume] in Urine	Drug/Tox	1505	ng/mL	ng/mL		Urine
1197	19141-1	Propoxyphene [Presence] in Urine	Drug/Tox	932				Urine
1198	19429-0	Propoxyphene [Presence] in Urine by Screen method	Drug/Tox	1464				Urine
1199	3426-4	Tetrahydrocannabinol [Presence] in Urine	Drug/Tox	368			Metabolite of marijuana, also called THC.	Urine

	B	C	E	F	G	H	I	P
1	LOINC #	Long Common Name	Class Override	Rank	Example UCUM	Example UCUM Display	Comments	System Adjusted
1200	19415-9	Tetrahydrocannabinol [Presence] in Urine by Screen method	Drug/Tox	933			Metabolite of marijuana, also called THC.	Urine
1201	19710-3	Tramadol [Presence] in Urine by Screen method	Drug/Tox	1539				Urine
1202	11004-9	Tricyclic antidepressants [Presence] in Urine	Drug/Tox	568				Urine
1203	19312-8	Tricyclic antidepressants [Presence] in Urine by Screen method	Drug/Tox	443				Urine

	B	C	E	F	G	H	I	P
1	LOINC #	Long Common Name	Class Override	Rank	Example UCUM	Example UCUM Display	Comments	System Adjusted
1204	**Fertility Male**							
1205	10587-4	Sexual abstinence duration	Fertility Male	1481	d	d	Days of abstinence prior to semen specimen collection	^Patient
1206	34696-5	Collection method [Type] of Semen	Fertility Male	1810				Semen
1207	13358-7	Collection time of Semen	Fertility Male	1373				Semen
1208	13627-5	Erythrocytes [Presence] in Semen by Light microscopy	Fertility Male	1813			Laboratories use many specific terms to report semen analysis observations that are not included in the top 2000. LOINC has >130 such observation codes in the full table	Semen
1209	13943-6	Fructose [Presence] in Semen	Fertility Male	1532			Absence of fructose may indicate a problem with the seminal vesicles. Normal cut off is >300 mg/mL	Semen
1210	10579-1	Leukocytes [#/volume] in Semen	Fertility Male	1489	10*6/mL	10*6/mL		Semen
1211	10580-9	Liquefaction [Time] in Semen	Fertility Male	1767	min	min		Semen
1212	2752-4	pH of Semen	Fertility Male	1166	[pH]	pH		Semen
1213	10585-8	Round cells [#/volume] in Semen	Fertility Male	1101	10*6/mL	10*6/mL		Semen
1214	9780-8	Spermatozoa [#/volume] in Semen	Fertility Male	1001	10*6/mL	10*6/mL		Semen
1215	38544-3	Spermatozoa [#/volume] in Semen --pre washing	Fertility Male	1266	10*6/mL	10*6/mL		Semen
1216	9704-8	Spermatozoa [Morphology] in Semen	Fertility Male	1475				Semen
1217	34441-6	Spermatozoa [Velocity] in Semen	Fertility Male	1533	um/s	um/s		Semen
1218	33217-1	Spermatozoa Agglutinated [Presence] in Semen	Fertility Male	1102				Semen
1219	13942-8	Spermatozoa Motile [Presence] in Semen by Light microscopy	Fertility Male	1680				Semen
1220	6800-7	Spermatozoa Motile/100 spermatozoa in Semen	Fertility Male	1083	%	%		Semen
1221	38540-1	Spermatozoa Motile/100 spermatozoa in Semen --pre washing	Fertility Male	1267	%	%		Semen
1222	10622-9	Spermatozoa Normal/100 spermatozoa in Semen	Fertility Male	1682	%	%		Semen
1223	14194-5	Spermatozoa Progressive/100 spermatozoa in Semen	Fertility Male	1485	%	%		Semen
1224	9631-3	Viscosity of Semen	Fertility Male	1100				Semen
1225	32789-0	Viscosity of Semen Qualitative	Fertility Male	1856				Semen
1226	3160-9	Volume of Semen	Fertility Male	904	mL	mL		Semen
1227	40692-6	Volume of Semen--pre washing	Fertility Male	1499	mL	mL		Semen
1228	**Heme-Bld CBC/Hemogram**							
1229	The Complete Blood Count/hemogram panel (often called CBC) includes total counts of the main cellular blood components (WBC, RBC, and platelets), hemoglobin, hematocrit, and various red cell and platelet indices. It does not include a differential count. In the U.S., you can expect all of the LOINC codes within a CBC/Hemogram to have a method of automated, with the one exception of hemoglobin. The Hemoglobin delivered by the automated counters uses standard chemistry methods for its quantification, so it is the same code as delivered by a chemistry instrument. The hematocrit that comes with the CBC/Hemogram is [LOINC: 4544-3]. Separate codes are available for spun capillary tube hematocrit [LOINC: 4545-0] and point of care hematocrit done on a chemistry instrument [LOINC: 718-7].							
1230	21000-5	Erythrocyte distribution width [Entitic volume] by Automated count	Heme-Bld CBC/Hemogram	159	fL	fL	This is the version of RDW reported in volume units, Do not confuse with [LOINC: 788-0] reported as a %.	Bld

	B	C	E	F	G	H	I	P
1	LOINC #	Long Common Name	Class Override	Rank	Example UCUM	Example UCUM Display	Comments	System Adjusted
1231	788-0	Erythrocyte distribution width [Ratio] by Automated count	Heme-Bld CBC/Hemogram	24	%	%	This it the version of the RDW reported with units of %. Do not confuse with the term that reports the same test name with units of fL [LOINC: 21000-5].	Bld
1232	785-6	Erythrocyte mean corpuscular hemoglobin [Entitic mass] by Automated count	Heme-Bld CBC/Hemogram	11	pg	pg		Bld
1233	786-4	Erythrocyte mean corpuscular hemoglobin concentration [Mass/volume] by Automated count	Heme-Bld CBC/Hemogram	10	g/dL	g/dL		Bld
1234	30428-7	Erythrocyte mean corpuscular volume [Entitic volume]	Heme-Bld CBC/Hemogram	34	fL	fL	This will mostly be reported as automated [LOINC: 787-2].	Bld
1235	787-2	Erythrocyte mean corpuscular volume [Entitic volume] by Automated count	Heme-Bld CBC/Hemogram	17	fL	fL	99% of these values will be done by automated method.	Bld
1236	789-8	Erythrocytes [#/volume] in Blood by Automated count	Heme-Bld CBC/Hemogram	9	10*6/uL	10*6/uL		Bld
1237	20570-8	Hematocrit [Volume Fraction] of Blood	Heme-Bld CBC/Hemogram	28	%	%		Bld
1238	4544-3	Hematocrit [Volume Fraction] of Blood by Automated count	Heme-Bld CBC/Hemogram	14	%	%	Most hematocrits delivered by referral and hospital laboratories will be produced by automated count and delivered with this code.	Bld
1239	4545-0	Hematocrit [Volume Fraction] of Blood by Centrifugation	Heme-Bld CBC/Hemogram	545	%	%	Only use this term for spun capillary tube. Mostly will want [LOINC: 4544-3].	Bld
1240	718-7	Hemoglobin [Mass/volume] in Blood	Heme-Bld CBC/Hemogram	2	g/dL	g/dL	This is the the code included in the CBC auto. It is NOT obtained via the automated counting but uses a chemistry method just like most other hemoglobins.	Bld
1241	12227-5	Leukocytes [#/volume] corrected for nucleated erythrocytes in Blood	Heme-Bld CBC/Hemogram	1504	10*3/uL	10*3/uL		Bld
1242	33256-9	Leukocytes [#/volume] corrected for nucleated erythrocytes in Blood by Automated count	Heme-Bld CBC/Hemogram	2010	10*3/uL	10*3/uL		Bld
1243	26464-8	Leukocytes [#/volume] in Blood	Heme-Bld CBC/Hemogram	33	10*3/uL	10*3/uL	Most leukocyte counts will be done by an automated counter and will be reported under [LOINC: 6690-2]. This term should be used only rarely.	Bld
1244	6690-2	Leukocytes[#/volume] in Blood by Automated count	Heme-Bld CBC/Hemogram	15	10*3/uL	10*3/uL		Bld
1245	32623-1	Platelet mean volume [Entitic volume] in Blood by Automated count	Heme-Bld CBC/Hemogram	149	fL	fL		Bld
1246	26515-7	Platelets [#/volume] in Blood	Heme-Bld CBC/Hemogram	31	10*3/uL	10*3/uL		Bld
1247	777-3	Platelets [#/volume] in Blood by Automated count	Heme-Bld CBC/Hemogram	18	10*3/uL	10*3/uL	99% of all blood counts will be automated so this term is usually the right choice	Bld

	B	C	E	F	G	H	I	P
1	LOINC #	Long Common Name	Class Override	Rank	Example UCUM	Example UCUM Display	Comments	System Adjusted
1248	32207-3	Platelet distribution width [Entitic volume] in Blood by Automated count	Heme-Bld CBC/Hemogram	1233				
1249	Heme-Bld Diff Count							
1250	Automation has come to the world of differential counts as well. The early automated differential counters could distinguish 3 cell types. Today's cell counters will count at least the big 5, including: neutrophils, eosinophils, basophils, lymphocytes, and monocytes. Some add others such as granular neutrophils, reticulocytes, and nucleated RBCs. Many automated counters can also flag the presence of many special cell types, e.g., variant (atypical) lymphocytes, blasts, and immature WBCs by cell line. These automated flags are often intended only for internal laboratory use, for example, to decide when to reflex to a manual differential count, and are not necessarily reported back to the ordering providers. Historically, automated cell counters, e.g., the classical Coulter counter, were flow cytometry devices. Today, some instruments use blood smears and imaging technology to find each cell on the blood smear and group them by cell types. This makes it easier for the technologist to complete the differential count. But, current versions still require manual reading of each cell type; so those results should be mapped to the appropriate LOINC code with manual method. We are sure that one day image-based automated counters will be alternatives to flow based counters for differential blood cell counts. The vast majority of the CBC (hemogram) results will be done on an automated counter. Those results should be mapped to the respective LOINC term with "Auto" in the method, as should the "big five" cell types in the differential count. CBCs can be ordered with an automated differential that reflexes to a manual count depending on the results of the automated counts. They can also be ordered with a requirement to do a manual count regardless of the automated result. Compared to the automated differential, the manual differential can report counts of many more cell types and can report detailed findings about red cell, white cell and platelet morphology. Accordingly, it can require mapping to many more LOINC terms. When a reflex manual differential is done after an automated count, laboratories may report only the manual differential results or they may report the automated counts which were observed and indicate "checked by manual count." We know of at least one laboratory that reports automated and manual counts under their own respective heading/banner. Some laboratories report differential counts using methodless codes and indicate the way they were obtained in another LOINC code (see [LOINC: 49024-3] Differential cell count method – Blood) because it requires less dictionary set up and yields easier to digest flowsheets. Because of these differences in reporting styles for the differential cell types, the Top 2000+ generally includes a code for each of the three possibilities: the automated count, the manual count, and one that does not specify the method. The cell types that historically could only be measured by manual methods will generally have two LOINC codes, one with method of manual, which is the only way most of them can be counted presently and one, for historical reasons, without method. We recommend mapping them to the LOINC code with manual as the method because it is likely that more of these cell types will be recognized by automated							
1251	26444-0	Basophils [#/volume] in Blood	Heme-Bld Diff Count	121	10*3/uL	10*3/uL		Bld

	B	C	E	F	G	H	I	P
1	LOINC #	Long Common Name	Class Override	Rank	Example UCUM	Example UCUM Display	Comments	System Adjusted
1252	704-7	Basophils [#/volume] in Blood by Automated count	Heme-Bld Diff Count	27	10*3/uL	10*3/uL	This cell type is counted by all modern automated differential machines; so most results will be reported using this LOINC code that has a method of automated count.	Bld
1253	30180-4	Basophils/100 leukocytes in Blood	Heme-Bld Diff Count	54	%	%		Bld
1254	706-2	Basophils/100 leukocytes in Blood by Automated count	Heme-Bld Diff Count	42	%	%	This cell type is counted by all modern automated differential machines; so most results will be reported using this LOINC code that has a method of automated count.	Bld
1255	707-0	Basophils/100 leukocytes in Blood by Manual count	Heme-Bld Diff Count	235	%	%		Bld
1256	30376-8	Blasts [#/volume] in Blood	Heme-Bld Diff Count	996	10*3/uL	10*3/uL		Bld
1257	708-8	Blasts [#/volume] in Blood by Manual count	Heme-Bld Diff Count	2011	10*3/uL	10*3/uL	Today, automated counters can signal blasts but can not count them accurately.	Bld
1258	26446-5	Blasts/100 leukocytes in Blood	Heme-Bld Diff Count	805	%	%		Bld
1259	709-6	Blasts/100 leukocytes in Blood by Manual count	Heme-Bld Diff Count	791	%	%	Today, automated counters can signal blasts but can not count them accurately.	Bld
1260	33255-1	Cell Fractions/Differential [interpretation] in Blood	Heme-Bld Diff Count	450			Overall interpretation of differential count.	Bld
1261	11282-1	Cells Counted Total [#] in Blood	Heme-Bld Diff Count	183	{#}	#	Most applicable to manual counts- especially when the white cells are few in number and less than 100 cells can be counted.	Bld
1262	26449-9	Eosinophils [#/volume] in Blood	Heme-Bld Diff Count	67	10*3/uL	10*3/uL		Bld
1263	711-2	Eosinophils [#/volume] in Blood by Automated count	Heme-Bld Diff Count	50	10*3/uL	10*3/uL	This cell type is counted by all modern automated differential machines; so most results will be reported using this LOINC code that has a method of automated count.	Bld
1264	26450-7	Eosinophils/100 leukocytes in Blood	Heme-Bld Diff Count	49	%	%		Bld
1265	713-8	Eosinophils/100 leukocytes in Blood by Automated count	Heme-Bld Diff Count	43	%	%	This cell type is counted by all modern automated differential machines; so most results will be reported using this LOINC code that has a method of automated count.	Bld
1266	714-6	Eosinophils/100 leukocytes in Blood by Manual count	Heme-Bld Diff Count	229	%	%		Bld

	B	C	E	F	G	H	I	P
1	LOINC #	Long Common Name	Class Override	Rank	Example UCUM	Example UCUM Display	Comments	System Adjusted
1267	30394-1	Granulocytes [#/volume] in Blood	Heme-Bld Diff Count	2002	10*3/uL	10*3/uL	Granulocytes counts were components of the 3-part automated differential count. So this code was created years ago for those instruments and did not include a method term because there was no ambiguity. It included neutrophils (segs and bands), and eosinophils (per UpToDate Sep 2010). The other components of the 3 part count were lymphocytes and monocytes. Today almost all automated differential counters are 5 or 6 part counts that do not include this term.	Bld
1268	34165-1	Granulocytes Immature [Presence] in Blood by Automated count	Heme-Bld Diff Count	1866			Some automated differential counters can flag the presence of immature granulocytes, and some can do the same with immature monocytes and lymphocytes. These may only be used to reflex to a manual count and may not be reported.	Bld
1269	17788-1	Large unstained cells/100 leukocytes in Blood by Automated count	Heme-Bld Diff Count	1894	%	%	All modern differential counters- count at least 5 types of cells- Neutrophils, Eos, Basos, Lymphs and Monos. Large unstained cells are the 6th type and are only provided by counters that stain cell myeloperoxidase. The large unstained cells reflect myeloperoxidase deficiency.	Bld
1270	17790-7	Leukocytes Left Shift [Presence] in Blood by Automated count	Heme-Bld Diff Count	394			Many automated counters can identify a left shift and report it as a qualitative result (Flag)	Bld
1271	26471-3	Leukocytes other/100 leukocytes in Blood	Heme-Bld Diff Count	1200	%	%	This category is used only in manual counts so avoid [LOINC: 26471-3] and use [LOINC: 730-2].	Bld
1272	730-2	Leukocytes other/100 leukocytes in Blood by Manual count	Heme-Bld Diff Count	1316	%	%		Bld
1273	26474-7	Lymphocytes [#/volume] in Blood	Heme-Bld Diff Count	70	10*3/uL	10*3/uL		Bld
1274	731-0	Lymphocytes [#/volume] in Blood by Automated count	Heme-Bld Diff Count	35	10*3/uL	10*3/uL	This cell type is counted by all modern automated differential machines; so most results will be reported under the LOINC code with method of automated count.	Bld
1275	15197-7	Lymphocytes Fissured/100 leukocytes in Blood by Manual count	Heme-Bld Diff Count	1516	%	%		Bld
1276	13046-8	Lymphocytes Variant/100 leukocytes in Blood	Heme-Bld Diff Count	817	%	%	Also called atypical lymphocytes- Some automated counters can report these values, and LOINC codes for the automated counts can be found in the full LOINC database	Bld

	B	C	E	F	G	H	I	P
1	LOINC #	Long Common Name	Class Override	Rank	Example UCUM	Example UCUM Display	Comments	System Adjusted
1277	735-1	Lymphocytes Variant/100 leukocytes in Blood by Manual count	Heme-Bld Diff Count	167	%	%	Also called atypical lymphocytes- Some automated counters can report these values, and LOINC codes for the automated counts can be found in the full LOINC database	Bld
1278	26478-8	Lymphocytes/100 leukocytes in Blood	Heme-Bld Diff	45	%	%		Bld
1279	736-9	Lymphocytes/100 leukocytes in Blood by Automated count	Heme-Bld Diff Count	41	%	%	This cell type is counted by all modern automated differential machines; so most results will be reported under the LOINC code with method of automated count.	Bld
1280	737-7	Lymphocytes/100 leukocytes in Blood by Manual count	Heme-Bld Diff Count	186	%	%		Bld
1281	739-3	Metamyelocytes [#/volume] in Blood by Manual count	Heme-Bld Diff Count	486	10*3/uL	10*3/uL		Bld
1282	28541-1	Metamyelocytes/100 leukocytes in Blood	Heme-Bld Diff Count	320	%	%		Bld
1283	740-1	Metamyelocytes/100 leukocytes in Blood by Manual count	Heme-Bld Diff Count	306	%	%		Bld
1284	26484-6	Monocytes [#/volume] in Blood	Heme-Bld Diff Count	61	10*3/uL	10*3/uL		Bld
1285	742-7	Monocytes [#/volume] in Blood by Automated count	Heme-Bld Diff Count	52	10*3/uL	10*3/uL	This cell type is counted by all modern automated differential machines; so most results will be reported under the LOINC code with method of automated count.	Bld
1286	743-5	Monocytes [#/volume] in Blood by Manual count	Heme-Bld Diff Count	472	10*3/uL	10*3/uL		Bld
1287	26485-3	Monocytes/100 leukocytes in Blood	Heme-Bld Diff Count	40	%	%		Bld
1288	5905-5	Monocytes/100 leukocytes in Blood by Automated count	Heme-Bld Diff Count	44	%	%	This cell type is counted by all modern automated differential machines; so most results will be reported under the LOINC code with method of automated count.	Bld
1289	744-3	Monocytes/100 leukocytes in Blood by Manual count	Heme-Bld Diff Count	225	%	%		Bld
1290	30446-9	Myelocytes [#/volume] in Blood	Heme-Bld Diff Count	524	10*3/uL	10*3/uL		Bld
1291	748-4	Myelocytes [#/volume] in Blood by Manual count	Heme-Bld Diff Count	525	10*3/uL	10*3/uL	All reports of myelocytes will be produced by manual counts	Bld
1292	26498-6	Myelocytes/100 leukocytes in Blood	Heme-Bld Diff Count	378	%	%		Bld
1293	749-2	Myelocytes/100 leukocytes in Blood by Manual count	Heme-Bld Diff Count	371	%	%	All reports of myelocytes will be produced by manual counts	Bld

	B	C	E	F	G	H	I	P
1	LOINC #	Long Common Name	Class Override	Rank	Example UCUM	Example UCUM Display	Comments	System Adjusted
1294	26499-4	Neutrophils [#/volume] in Blood	Heme-Bld Diff Count	57	10*3/uL	10*3/uL		Bld
1295	751-8	Neutrophils [#/volume] in Blood by Automated count	Heme-Bld Diff Count	46	10*3/uL	10*3/uL	This cell type is counted by all modern automated differential machines; so most results will be reported under the LOINC code with method of automated count.	Bld
1296	26507-4	Neutrophils.band form [#/volume] in Blood	Heme-Bld Diff Count	199	10*3/uL	10*3/uL		Bld
1297	763-3	Neutrophils.band form [#/volume] in Blood by Manual count	Heme-Bld Diff Count	347	10*3/uL	10*3/uL	Most neutrophil band form counts will come from manual counts. It is possible that some very new differential counters count band forms but that would be unusual.	Bld
1298	34524-9	Neutrophils.band form [Presence] in Blood by Automated count	Heme-Bld Diff Count	1297			Some newer auto differential counters might be able to count band forms (others can report the presence as a qualitative result).	Bld
1299	26508-2	Neutrophils.band form/100 leukocytes in Blood	Heme-Bld Diff Count	177	%	%		Bld
1300	764-1	Neutrophils.band form/100 leukocytes in Blood by Manual count	Heme-Bld Diff Count	136	%	%	Most neutrophil band form counts will come from manual counts. It is possible that some very new differential counters count band forms but that would be unusual.	Bld
1301	769-0	Neutrophils.segmented/100 leukocytes in Blood by Manual count	Heme-Bld Diff Count	228	%	%	Most segmented neutrophils will come from manual counts. Very few if any automated differential counters claim to distinguish segmented neutrophils.	Bld
1302	26511-6	Neutrophils/100 leukocytes in Blood	Heme-Bld Diff Count	76	%	%		Bld
1303	770-8	Neutrophils/100 leukocytes in Blood by Automated count	Heme-Bld Diff Count	25	%	%	This cell type is counted by all modern automated differential machines; so most results will be reported under the LOINC code with method of automated count.	Bld
1304	23761-0	Neutrophils/100 leukocytes in Blood by Manual count	Heme-Bld Diff Count	1191	%	%		Bld
1305	771-6	Nucleated erythrocytes [#/volume] in Blood by Automated count	Heme-Bld Diff Count	1247	10*3/uL	10*3/uL	Most modern auto differential counts can identify NRBCs.	Bld
1306	772-4	Nucleated erythrocytes [#/volume] in Blood by Manual count	Heme-Bld Diff Count	501	10*3/uL	10*3/uL		Bld

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1307	773-2	Nucleated erythrocytes/100 erythrocytes in Blood by Manual count	Heme-Bld Diff Count	960	%	%	Automated instruments measure per 100 WBCs rather than per 100 RBCs so they can correct the WBC. It is very UNLIKELY you will see many lab tests with the denominator of RBC's. So, be sure that you don't want to map to [LOINC: 58413-6].	Bld
1308	58413-6	Nucleated erythrocytes/100 leukocytes [Ratio] in Blood by Automated count	Heme-Bld Diff Count	326	%	%	Almost all nucleated RBC/100 WBC's will come from automated cell counts , so 99% of time you will want [LOINC: 58413-6] and not the non-specified, methodless term [LOINC: 19048-8].	Bld
1309	24103-4	Plasma cells [#/volume] in Blood by Manual count	Heme-Bld Diff Count	1923				Bld
1310	13047-6	Plasma cells/100 leukocytes in Blood	Heme-Bld Diff Count	1443	%	%		Bld
1311	31160-5	Polymorphonuclear cells/100 leukocytes in Blood by Manual count	Heme-Bld Diff Count	423	%	%		Bld
1312	26523-1	Promyelocytes [#/volume] in Blood	Heme-Bld Diff Count	1076	10*3/uL	10*3/uL		Bld
1313	781-5	Promyelocytes [#/volume] in Blood by Manual count	Heme-Bld Diff Count	1459	10*3/uL	10*3/uL	Promyelocytes can only come from a manual count.	Bld
1314	26524-9	Promyelocytes/100 leukocytes in Blood	Heme-Bld Diff Count	929	%	%		Bld
1315	783-1	Promyelocytes/100 leukocytes in Blood by Manual count	Heme-Bld Diff Count	919	%	%	Promyelocytes counts can only come from a manual count.	Bld
1316	14912-0	Smudge cells/100 leukocytes in Blood by Manual count	Heme-Bld Diff Count	974	%	%	Smudge cells can only come from manual counts (so far).	Bld
1317	18309-5	Nucleated erythrocytes/100 leukocytes [Ratio] in Blood by Manual count	Heme-Bld Diff Count	2012	%	%		
1318	Heme-Bld Morph							
1319	LOINC accommodates more than one way to report morphologic cell findings. It provides one term for reporting the presence of almost any kind of abnormal cell or morphologic finding. See [LOINC: 5909-7] Blood smear finding [Identifier] in Blood by Light microscopy). LOINC also provides terms for reporting red cell, white cell, and platelet findings separately. See [LOINC: 11125-2] Platelet morphology finding [Identifier] in Blood; [LOINC: 6742-1] Erythrocyte morphology finding [Identifier] in Blood; and [LOINC: 11156-7] Leukocyte morphology finding [Identifier] in Blood). LOINC provides example answer lists for the findings likely to be reported under such variables. These are the more common patterns for blood smear readings. However, laboratories may also report many of the individual findings as separate variables which can take on ordinal values such as 1+, 2+, 3+. So, LOINC also provides codes for reporting such variables. As automated differential counting instruments get smarter, they report many such findings (anisocytosis, hypochromia, macrocytosis) qualitatively. Because these are delivered from the instrument as discrete variables, they will be more likely to be reported as individual variables.							

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1320	5909-7	Blood smear finding [Identifier] in Blood by Light microscopy	Heme-Bld Morph	1435			Some laboratories will report all smear morphology findings under one general variable. Others use different variables for platelet, RBC and WBC morphology. And still others report each finding with its own variable.	Bld
1321	18314-5	Morphology [interpretation] in Blood Narrative	Heme-Bld Morph	112				Bld
1322	Heme-Bld Morph Platelet							
1323	7796-6	Platelet clump [Presence] in Blood by Light microscopy	Heme-Bld Morph Platelet	1936			Some laboratories will use a separate variable for reporting the presence of this finding.	Bld
1324	11125-2	Platelet morphology finding [Identifier] in Blood	Heme-Bld Morph Platelet	259			Many laboratories will report platelet morphology findings using this term [LOINC: 11125-2], but some may report each observed finding individually (see other terms in this section).	Bld
1325	18312-9	Platelet satellitism [Presence] in Blood by Light microscopy	Heme-Bld Morph Platelet	2004			Some laboratories will use a separate variable for reporting the presence of this finding.	Bld
1326	9317-9	Platelets [Presence] in Blood by Light microscopy	Heme-Bld Morph Platelet	141			Often called platelet adequacy and recorded qualitatively as increased, adequate, low, very low,	Bld
1327	33216-3	Platelets agranular [Presence] in Blood by Light microscopy	Heme-Bld Morph Platelet	1970			Some laboratories will use a separate variable for reporting the presence of this finding.	Bld
1328	5908-9	Platelets Giant [Presence] in Blood by Light microscopy	Heme-Bld Morph Platelet	1572			Some laboratories will use a separate variable for reporting the presence of this finding.	Bld
1329	32146-3	Platelets Large [Presence] in Blood by Light microscopy	Heme-Bld Morph Platelet	1042			Some laboratories will use a separate variable for reporting the presence of this finding.	Bld
1330	Heme-Bld Morph RBC							
1331	7789-1	Acanthocytes [Presence] in Blood by Light microscopy	Heme-Bld Morph RBC	1163			Most laboratories will report such findings as answers in their RBC morphology term [LOINC: 6742-1]. Others will report each observed finding as a separate variable, such as this one, and assign values of 1+, 2+, 3+.	Bld
1332	15150-6	Anisocytosis [Presence] in Blood by Automated count	Heme-Bld Morph RBC	284			This finding may be reported as an ordinal result from an automated CBC/hemogram.	Bld
1333	702-1	Anisocytosis [Presence] in Blood by Light microscopy	Heme-Bld Morph RBC	234			Most laboratories will report such findings as answers in their RBC morphology term [LOINC: 6742-1]. Others will report each observed finding as a separate variable, such as this one, and assign values of 1+, 2+, 3+.	Bld

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1334	703-9	Basophilic stippling [Presence] in Blood by Light microscopy	Heme-Bld Morph RBC	651			Most laboratories will report such findings as answers in their RBC morphology term [LOINC: 6742-1]. Others will report each observed finding as a separate variable, such as this one, and assign values of 1+, 2+, 3+.	Bld
1335	7791-7	Dacrocytes [Presence] in Blood by Light microscopy	Heme-Bld Morph RBC	340			Most laboratories will report such findings as answers in their RBC morphology term [LOINC: 6742-1]. Others will report each observed finding as a separate variable, such as this one, and assign values of 1+, 2+, 3+.	Bld
1336	11274-8	Elliptocytes [Presence] in Blood by Light microscopy	Heme-Bld Morph RBC	1093			Most laboratories will report such findings as answers in their RBC morphology term [LOINC: 6742-1]. Others will report each observed finding as a separate variable, such as this one, and assign values of 1+, 2+, 3+.	Bld
1337	49121-7	Erythrocyte inclusion bodies [Identifier] in Blood	Heme-Bld Morph RBC	680			Most laboratories will report such findings as answers in their RBC morphology term [LOINC: 6742-1]. Others will report each observed finding as a separate variable, such as this one, and assign values of 1+, 2+, 3+.	Bld
1338	6742-1	Erythrocyte morphology finding [Identifier] in Blood	Heme-Bld Morph RBC	132			Most laboratories will report such findings as answers in their RBC morphology term [LOINC: 6742-1]. Others will report each observed finding as a separate variable, such as this one, and assign values of 1+, 2+, 3+.	Bld
1339	716-1	Heinz bodies [Presence] in Blood by Light microscopy	Heme-Bld Morph RBC	1981			Most laboratories will report such findings as answers in their RBC morphology term [LOINC: 6742-1]. Others will report each observed finding as a separate variable, such as this one, and assign values of 1+, 2+, 3+.	Bld
1340	7793-3	Howell-Jolly bodies [Presence] in Blood by Light microscopy	Heme-Bld Morph RBC	1091			Most laboratories will report such findings as answers in their RBC morphology term [LOINC: 6742-1]. Others will report each observed finding as a separate variable, such as this one, and assign values of 1+, 2+, 3+.	Bld
1341	15180-3	Hypochromia [Presence] in Blood by Automated count	Heme-Bld Morph RBC	260			This finding may be reported as an ordinal result from an automated CBC/hemogram.	Bld
1342	728-6	Hypochromia [Presence] in Blood by Light microscopy	Heme-Bld Morph RBC	119			Most laboratories will report such findings as answers in their RBC morphology term [LOINC: 6742-1]. Others will report each observed finding as a separate variable, such as this one, and assign values of 1+, 2+, 3+.	Bld

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1343	15198-5	Macrocytes [Presence] in Blood by Automated count	Heme-Bld Morph RBC	286			This finding may be reported as an ordinal result from an automated CBC/hemogram.	Bld
1344	738-5	Macrocytes [Presence] in Blood by Light microscopy	Heme-Bld Morph RBC	101				Bld
1345	15199-3	Microcytes [Presence] in Blood by Automated count	Heme-Bld Morph RBC	299			This finding may be reported as an ordinal result from an automated CBC/hemogram.	Bld
1346	741-9	Microcytes [Presence] in Blood by Light microscopy	Heme-Bld Morph RBC	103			Most laboratories will report such findings as answers in their RBC morphology term [LOINC: 6742-1]. Others will report each observed finding as a separate variable, such as this one, and assign values of 1+, 2+, 3+.	Bld
1347	774-0	Ovalocytes [Presence] in Blood by Light microscopy	Heme-Bld Morph RBC	243			Most laboratories will report such findings as answers in their RBC morphology term [LOINC: 6742-1]. Others will report each observed finding as a separate variable, such as this one, and assign values of 1+, 2+, 3+.	Bld
1348	7795-8	Pappenheimer bodies [Presence] in Blood by Light microscopy	Heme-Bld Morph RBC	1954			Most laboratories will report such findings as answers in their RBC morphology term [LOINC: 6742-1]. Others will report each observed finding as a separate variable, such as this one, and assign values of 1+, 2+, 3+.	Bld
1349	38908-0	Poikilocytosis [Presence] in Blood by Automated count	Heme-Bld Morph RBC	905			This finding may be reported as an ordinal result from an automated CBC/hemogram.	Bld
1350	779-9	Poikilocytosis [Presence] in Blood by Light microscopy	Heme-Bld Morph RBC	302			Most laboratories will report such findings as answers in their RBC morphology term [LOINC: 6742-1]. Others will report each observed finding as a separate variable, such as this one, and assign values of 1+, 2+, 3+.	Bld
1351	10378-8	Polychromasia [Presence] in Blood by Light microscopy	Heme-Bld Morph RBC	189			Most laboratories will report such findings as answers in their RBC morphology term [LOINC: 6742-1]. Others will report each observed finding as a separate variable, such as this one, and assign values of 1+, 2+, 3+.	Bld
1352	7797-4	Rouleaux [Presence] in Blood by Light microscopy	Heme-Bld Morph RBC	1950			Most laboratories will report such findings as answers in their RBC morphology term [LOINC: 6742-1]. Others will report each observed finding as a separate variable, such as this one, and assign values of 1+, 2+, 3+.	Bld

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1353	800-3	Schistocytes [Presence] in Blood by Light microscopy	Heme-Bld Morph RBC	363			Most laboratories will report such findings as answers in their RBC morphology term [LOINC: 6742-1]. Others will report each observed finding as a separate variable, such as this one, and assign values of 1+, 2+, 3+.	Bld
1354	801-1	Sickle cells [Presence] in Blood by Light microscopy	Heme-Bld Morph RBC	1018			Most laboratories will report such findings as answers in their RBC morphology term [LOINC: 6742-1]. Others will report each observed finding as a separate variable, such as this one, and assign values of 1+, 2+, 3+.	Bld
1355	802-9	Spherocytes [Presence] in Blood by Light microscopy	Heme-Bld Morph RBC	658			Most laboratories will report such findings as answers in their RBC morphology term [LOINC: 6742-1]. Others will report each observed finding as a separate variable, such as this one, and assign values of 1+, 2+, 3+.	Bld
1356	10380-4	Stomatocytes [Presence] in Blood by Light microscopy	Heme-Bld Morph RBC	1966			Most laboratories will report such findings as answers in their RBC morphology term [LOINC: 6742-1]. Others will report each observed finding as a separate variable, such as this one, and assign values of 1+, 2+, 3+.	Bld
1357	10381-2	Target cells [Presence] in Blood by Light microscopy	Heme-Bld Morph RBC	413			Most laboratories will report such findings as answers in their RBC morphology term [LOINC: 6742-1]. Others will report each observed finding as a separate variable, such as this one, and assign values of 1+, 2+, 3+.	Bld
1358	Heme-Bld Morph WBC							
1359	11281-3	Auer rods [Presence] in Blood by Light microscopy	Heme-Bld Morph WBC	1972			Most laboratories will report such findings as answers in their WBC morphology variable [LOINC: 11156-7]. Some may report each of these findings with values of 1+, 2+, etc., as separate variables such as this term.	Bld
1360	7790-9	Burr cells [Presence] in Blood by Light microscopy	Heme-Bld Morph WBC	424			Qualitative variable for reporting presence or absence of this cell type based on count. Cells may also be reported as counts using a different LOINC code.	Bld
1361	7792-5	Dohle body [Presence] in Blood by Light microscopy	Heme-Bld Morph WBC	806			Variable for qualitative reporting (present/absent) based on the count of cells with this finding.	Bld

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1362	11156-7	Leukocyte morphology finding [Identifier] in Blood	Heme-Bld Morph WBC	349			Many laboratories will report WBC morphology findings in this term [LOINC: 11156-7]. Some may report each finding under separate LOINC terms (see the other LOINC terms in this section).	Bld
1363	15192-8	Lymphocytes Variant [Presence] in Blood by Automated count	Heme-Bld Morph WBC	1814			Lymphocyte variatns (also called atypical lymphocytes) may also be counted as an explicit cell type in manual counts. Some automated instruments can also count them.	Bld
1364	33215-5	Neutrophils.agranular [Presence] in Blood by Light microscopy	Heme-Bld Morph WBC	1963				Bld
1365	765-8	Neutrophils.hypersegmented [Presence] in Blood by Light microscopy	Heme-Bld Morph WBC	1952			Qualitative variable for reporting presence or absence of this cell type based on count. Cells may also be reported as counts using a different LOINC code.	Bld
1366	18319-4	Neutrophils.vacuolated [Presence] in Blood by Light microscopy	Heme-Bld Morph WBC	1288			Qualitative variable for reporting presence or absence of this cell type based on count. Cells may also be reported as counts using a different LOINC code.	Bld
1367	18311-1	Pelger Huet cells [Presence] in Blood by Light microscopy	Heme-Bld Morph WBC	1971			Most laboratories will report such findings as answers in their WBC morphology variable [LOINC: 11156-7]. Some may report each of these findings with values of 1+, 2+, etc., as separate variables such as this term.	Bld
1368	7798-2	Smudge cells [Presence] in Blood by Light microscopy	Heme-Bld Morph WBC	1128			Qualitative variable for reporting presence or absence of this cell type based on count. Cells may also be reported as counts using a different LOINC code.	Bld
1369	803-7	Toxic granules [Presence] in Blood by Light microscopy	Heme-Bld Morph WBC	481			Variable for qualitative reporting (present/absent) based on the count of cells with this finding.	Bld
1370	Heme-Bld Other Fluid Cell Counts							
1371	19098-3	Erythrocytes [Presence] in Amniotic fluid	Heme-Bld Other Fluid Cell Counts	1731				Amnio fld
1372	48051-7	Erythrocytes [Presence] in Vaginal fluid	Heme-Bld Other Fluid Cell Counts	1538				Vag
1373	Heme-Bld Reticulocytes							

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1374	42810-2	Hemoglobin [Entitic mass] in Reticulocytes	Heme-Bld Reticulocytes	1413	pg	pg	The amount of Hb in the average Reticulocyte.	Bld
1375	14196-0	Reticulocytes [#/volume] in Blood	Heme-Bld Reticulocytes	555	10*3/uL	10*3/uL		Bld
1376	4679-7	Reticulocytes/100 erythrocytes in Blood	Heme-Bld Reticulocytes	281	%	%		Bld
1377	17849-1	Reticulocytes/100 erythrocytes in Blood by Automated count	Heme-Bld Reticulocytes	1124	%	%		Bld
1378	31112-6	Reticulocytes/100 erythrocytes in Blood by Manual	Heme-Bld Reticulocytes	1788	Reticulocytes /100 erythrocytes	Reticulocytes/ 100 erythrocytes	Reticulocytes are reported as percents (per 100) of RBC's even if based on a count of 1000 RBC's or more. So the right term for a manual count is [LOINC: 31112-6] regardless of the number of cells counted. However, today it is most likely that these are done by automated methods [LOINC: 17849-1], not manual methods.	Bld
1379	Heme-Bld Sed Rate							
1380	30341-2	Erythrocyte sedimentation rate	Heme-Bld Sed Rate	245	mm/h	mm/h		Bld
1381	4537-7	Erythrocyte sedimentation rate by Westergren method	Heme-Bld Sed Rate	137	mm/h	mm/h	Most sedimentation rates will be Westegren's and reported under this LOINC code.	Bld
1382	Heme-Body Fluid Cell Count							
1383	28543-7	Basophils/100 leukocytes in Body fluid	Heme-Body Fluid Cell Count	1519	%	%		Body fld
1384	12179-8	Basophils/100 leukocytes in Body fluid by Manual count	Heme-Body Fluid Cell Count	447	%	%		Body fld
1385	13522-8	Blasts/100 leukocytes in Body fluid by Manual count	Heme-Body Fluid Cell Count	1012	%	%		Body fld
1386	20999-9	Cell Fractions/Differential [interpretation] in Body fluid	Heme-Body Fluid Cell Count	1444				Body fld
1387	38256-4	Cells Counted Total [#] in Body fluid	Heme-Body Fluid Cell Count	1480	{#}	#		Body fld
1388	19077-7	Cells identified in Body fluid	Heme-Body Fluid Cell Count	1381				Body fld
1389	6825-4	Crystals [type] in Body fluid by Light microscopy	Heme-Body Fluid Cell Count	1208				Body fld
1390	26452-3	Eosinophils/100 leukocytes in Body fluid	Heme-Body Fluid Cell Count	418	%	%		Body fld
1391	12209-3	Eosinophils/100 leukocytes in Body fluid by Manual count	Heme-Body Fluid Cell Count	1824	%	%		Body fld
1392	26455-6	Erythrocytes [#/volume] in Body fluid	Heme-Body Fluid Cell Count	435	{#}/uL	#/uL		Body fld

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1393	23860-0	Erythrocytes [#/volume] in Body fluid by Automated count	Heme-Body Fluid Cell Count	1726	{#}/uL	#/uL		Body fld
1394	6741-3	Erythrocytes [#/volume] in Body fluid by Manual count	Heme-Body Fluid Cell Count	736	{#}/uL	#/uL		Body fld
1395	11153-4	Hematocrit [Volume Fraction] of Body fluid	Heme-Body Fluid Cell Count	733	%	%		Body fld
1396	26466-3	Leukocytes [#/volume] in Body fluid	Heme-Body Fluid Cell Count	708	{#}/uL	#/uL		Body fld
1397	57845-0	Leukocytes [#/volume] in Body fluid by Automated count	Heme-Body Fluid Cell Count	438	10*6/L	10*6/L		Body fld
1398	35051-2	Leukocytes other [#/volume] in Body fluid	Heme-Body Fluid Cell Count	1662	{#}/L	#/L		Body fld
1399	26473-9	Leukocytes other/100 leukocytes in Body fluid	Heme-Body Fluid Cell Count	676	%	%		Body fld
1400	13518-6	Lymphocytes Variant/100 leukocytes in Body fluid by Manual count	Heme-Body Fluid Cell Count	446	%	%		Body fld
1401	11031-2	Lymphocytes/100 leukocytes in Body fluid	Heme-Body Fluid Cell Count	370	%	%		Body fld
1402	13941-0	Lymphocytes/100 leukocytes in Body fluid by Manual count	Heme-Body Fluid Cell Count	1770	%	%		Body fld
1403	30427-9	Macrophages/100 leukocytes in Body fluid	Heme-Body Fluid Cell Count	1318	%	%		Body fld
1404	12230-9	Macrophages/100 leukocytes in Body fluid by Manual count	Heme-Body Fluid Cell Count	975	%	%		Body fld
1405	12234-1	Mesothelial cells/100 leukocytes in Body fluid by Manual count	Heme-Body Fluid Cell Count	1214	%	%		Body fld
1406	26487-9	Monocytes/100 leukocytes in Body fluid	Heme-Body Fluid Cell Count	369	%	%		Body fld
1407	30437-8	Monocytes+Macrophages/100 leukocytes in Body fluid	Heme-Body Fluid Cell Count	1626	%	%		Body fld
1408	26510-8	Neutrophils.band form/100 leukocytes in Body fluid	Heme-Body Fluid Cell Count	432	%	%		Body fld
1409	26513-2	Neutrophils/100 leukocytes in Body fluid	Heme-Body Fluid Cell Count	954	%	%		Body fld
1410	12238-2	Neutrophils/100 leukocytes in Body fluid by Manual count	Heme-Body Fluid Cell Count	415	%	%		Body fld
1411	30457-6	Nonhematic cells/100 leukocytes in Body fluid	Heme-Body Fluid Cell Count	752	%	%		Body fld
1412	13530-1	Nucleated erythrocytes [#/volume] in Body fluid by Manual count	Heme-Body Fluid Cell Count	991	10*6/L	10*6/L		Body fld
1413	26518-1	Polymorphonuclear cells/100 leukocytes in Body fluid	Heme-Body Fluid Cell Count	1067	%	%		Body fld

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1414	34985-2	Unidentified cells/100 leukocytes in Body fluid	Heme-Body Fluid Cell Count	753	%	%		Body fld
1415	Heme-CSF Cell Count							
1416	30374-3	Basophils/100 leukocytes in Cerebral spinal fluid	Heme-CSF Cell Count	1933	%	%		CSF
1417	13519-4	Basophils/100 leukocytes in Cerebral spinal fluid by Manual count	Heme-CSF Cell Count	903	%	%		CSF
1418	26447-3	Blasts/100 leukocytes in Cerebral spinal fluid	Heme-CSF Cell Count	1238	%	%		CSF
1419	19075-1	Cells Counted Total [#] in Cerebral spinal fluid	Heme-CSF Cell Count	980	{#}	#		CSF
1420	26451-5	Eosinophils/100 leukocytes in Cerebral spinal fluid	Heme-CSF Cell Count	1571	%	%		CSF
1421	12208-5	Eosinophils/100 leukocytes in Cerebral spinal fluid by Manual count	Heme-CSF Cell Count	900	%	%		CSF
1422	26454-9	Erythrocytes [#/volume] in Cerebral spinal fluid	Heme-CSF Cell Count	641	{#}/mL	#/mL		CSF
1423	792-2	Erythrocytes [#/volume] in Cerebral spinal fluid by Manual count	Heme-CSF Cell Count	778	{#}/uL	#/uL		CSF
1424	13508-7	Hematocrit [Volume Fraction] of Cerebral spinal fluid by Centrifugation	Heme-CSF Cell Count	911	%	%		CSF
1425	48035-0	Hemoglobin [Presence] in Cerebral spinal fluid	Heme-CSF Cell Count	853				CSF
1426	806-0	Leukocytes [#/volume] in Cerebral spinal fluid by Manual count	Heme-CSF Cell Count	502	{#}/uL	#/uL		CSF
1427	26472-1	Leukocytes other/100 leukocytes in Cerebral spinal fluid	Heme-CSF Cell Count	910	%	%		CSF
1428	13517-8	Lymphocytes Variant/100 leukocytes in Cerebral spinal fluid by Manual count	Heme-CSF Cell Count	906	%	%		CSF
1429	26479-6	Lymphocytes/100 leukocytes in Cerebral spinal fluid	Heme-CSF Cell Count	1591	%	%		CSF
1430	10328-3	Lymphocytes/100 leukocytes in Cerebral spinal fluid by Manual count	Heme-CSF Cell Count	664	%	%		CSF
1431	12229-1	Macrophages/100 leukocytes in Cerebral spinal fluid by Manual count	Heme-CSF Cell Count	1732	%	%		CSF
1432	26486-1	Monocytes/100 leukocytes in Cerebral spinal fluid	Heme-CSF Cell Count	888	%	%		CSF
1433	10329-1	Monocytes/100 leukocytes in Cerebral spinal fluid by Manual count	Heme-CSF Cell Count	909	%	%		CSF
1434	26509-0	Neutrophils.band form/100 leukocytes in Cerebral spinal fluid	Heme-CSF Cell Count	1823	%	%		CSF

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1435	12278-8	Neutrophils.band form/100 leukocytes in Cerebral spinal fluid by Manual count	Heme-CSF Cell Count	901	%	%		CSF
1436	26512-4	Neutrophils/100 leukocytes in Cerebral spinal fluid	Heme-CSF Cell Count	1182	%	%		CSF
1437	13516-0	Neutrophils/100 leukocytes in Cerebral spinal fluid by Manual count	Heme-CSF Cell Count	831	%	%		CSF
1438	13525-1	Nonhematic cells/100 leukocytes in Cerebral spinal fluid by Manual count	Heme-CSF Cell Count	913	%	%		CSF
1439	13529-3	Nucleated erythrocytes [#/volume] in Cerebral spinal fluid by Manual count	Heme-CSF Cell Count	908	{#}/uL	#/uL		CSF
1440	26517-3	Polymorphonuclear cells/100 leukocytes in Cerebral spinal fluid	Heme-CSF Cell Count	1702	%	%		CSF
1441	13527-7	Unidentified cells/100 leukocytes in Cerebral spinal fluid by Manual count	Heme-CSF Cell Count	873	%	%		CSF
1442	Heme-Hemoglobinopathies							
1443	4546-8	Hemoglobin A/Hemoglobin.total in Blood	Heme-Hemoglobinopathies	506	%	%		Bld
1444	4547-6	Hemoglobin A1/Hemoglobin.total in Blood	Heme-Hemoglobinopathies	836	%	%		Bld
1445	35127-0	Hemoglobin A2.prime/Hemoglobin.total in Blood	Heme-Hemoglobinopathies	1333	%	%	Hb A2 prime is characterized by a single substitution of glycine with arginine.	Bld
1446	4551-8	Hemoglobin A2/Hemoglobin.total in Blood	Heme-Hemoglobinopathies	1545	%	%		Bld
1447	34660-1	Hemoglobin A2/Hemoglobin.total in Blood by Chromatography column	Heme-Hemoglobinopathies	640	%	%		Bld
1448	4552-6	Hemoglobin A2/Hemoglobin.total in Blood by Electrophoresis	Heme-Hemoglobinopathies	723	%	%		Bld
1449	31156-3	Hemoglobin Barts/Hemoglobin.total in Blood	Heme-Hemoglobinopathies	1334	%	%		Bld
1450	4563-3	Hemoglobin C/Hemoglobin.total in Blood	Heme-Hemoglobinopathies	540	%	%		Bld

	B	C	E	F	G	H	I	P
1	LOINC #	Long Common Name	Class Override	Rank	Example UCUM	Example UCUM Display	Comments	System Adjusted
1451	4569-0	Hemoglobin D/Hemoglobin.total in Blood	Heme-Hemoglobinopathies	1335	%	%		Bld
1452	4575-7	Hemoglobin E/Hemoglobin.total in Blood	Heme-Hemoglobinopathies	1330	%	%		Bld
1453	32140-6	Hemoglobin F [Presence] in Blood by Kleihauer-Betke method	Heme-Hemoglobinopathies	984				Bld
1454	4576-5	Hemoglobin F/Hemoglobin.total in Blood	Heme-Hemoglobinopathies	508	%	%		Bld
1455	4633-4	Hemoglobin F/Hemoglobin.total in Blood by Kleihauer-Betke method	Heme-Hemoglobinopathies	1616	%	%		Bld
1456	33593-5	Hemoglobin G - Coushatta/Hemoglobin.total in Blood	Heme-Hemoglobinopathies	1336	%	%		Bld
1457	35125-4	Hemoglobin Lepore/Hemoglobin.total in Blood	Heme-Hemoglobinopathies	1337	%	%		Bld
1458	35126-2	Hemoglobin O - Arab/Hemoglobin.total in Blood	Heme-Hemoglobinopathies	1338	%	%		Bld
1459	12710-0	Hemoglobin pattern [interpretation] in Blood	Heme-Hemoglobinopathies	617				Bld
1460	13514-5	Hemoglobin pattern [interpretation] in Blood by Electrophoresis Narrative	Heme-Hemoglobinopathies	784				Bld
1461	42247-7	Hemoglobin pattern [interpretation] in Blood by HPLC Narrative	Heme-Hemoglobinopathies	732				Bld
1462	4621-9	Hemoglobin S [Presence] in Blood	Heme-Hemoglobinopathies	1199			The solubility test is the standard method for detecting hemoglobin S, so consider using [LOINC: 6864-3].	Bld
1463	6864-3	Hemoglobin S [Presence] in Blood by Solubility test	Heme-Hemoglobinopathies	448			The solubility test is the standard method for detecting hemoglobin S.	Bld
1464	4625-0	Hemoglobin S/Hemoglobin.total in Blood	Heme-Hemoglobinopathies	518	%	%		Bld

	B	C	E	F	G	H	I	P
1	LOINC #	Long Common Name	Class Override	Rank	Example UCUM	Example UCUM Display	Comments	System Adjusted
1465	24469-9	Hemoglobin XXX/Hemoglobin.total in Blood by Electrophoresis	Heme-Hemoglobinopathies	1246	%	%		Bld
1466	48343-8	Hemoglobin.other/Hemoglobin.total in Blood	Heme-Hemoglobinopathies	1110	%	%		Bld
1467	Heme-Pleural Fluid Cell Count							
1468	808-6	Leukocytes [#/volume] in Pleural fluid by Manual count	Heme-Pleural Fluid Cell Count	1658	10*3/uL	10*3/uL		Plr fld
1469	Heme-Stool Cell Count							
1470	48049-1	Eosinophils [Presence] in Stool by Wright stain	Heme-Stool Cell Count	1620				Stool
1471	13349-6	Leukocytes [#/volume] in Stool by Manual count	Heme-Stool Cell Count	1604	{#}/mL	#/mL		Stool
1472	13655-6	Leukocytes [Presence] in Stool by Light microscopy	Heme-Stool Cell Count	376				Stool
1473	48050-9	Neutrophils [Presence] in Stool by Wright stain	Heme-Stool Cell Count	1312				Stool
1474	Heme-Syn Fluid Cell Count							
1475	32164-6	Cells [#/volume] in Synovial fluid by Manual count	Heme-Syn Fluid Cell Count	1577	{#}/uL	#/uL		Synv fld
1476	5781-0	Crystals [type] in Synovial fluid by Light microscopy	Heme-Syn Fluid Cell Count	1135				Synv fld
1477	26458-0	Erythrocytes [#/volume] in Synovial fluid	Heme-Syn Fluid Cell Count	1415	{#}/uL	#/uL		Synv fld
1478	Heme-XXX Cell Count							
1479	19076-9	Cells Counted Total [#] in Unspecified specimen	Heme-XXX Cell Count	1068	{#}	#		XXX
1480	20473-5	Polymorphonuclear cells [Presence] in Unspecified specimen by Wright stain	Heme-XXX Cell Count	1506				XXX
1481	HLA							
1482	4821-5	HLA-B27 [Presence]	HLA	1617				Bld
1483	26043-0	HLA-B27 [Presence] by Probe & target amplification method	HLA	1136				Bld
1484	46994-0	HLA-A+B+C (class I) Ab in Serum	HLA	1095	%	%		Ser
1485	46995-7	HLA-DP+DQ+DR (class II) Ab in Serum	HLA	1094	%	%	Transplant test	Ser
1486	Micro							

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1	LOINC #	Long Common Name	Class Override	Rank	Example UCUM	Example UCUM Display	Comments	System Adjusted
1487	The number of "viral load" terms for a given virus tend to be excessive because of the multiplicity of ways to report the viral load. The most common approach is the number of viruses per unit volume. The LOINC Property for these is NCnc. The next most common is as "units" per unit volume. The LOINC Property for these is ACnc. These "units" are usually international units defined by WHO, which provides reference standards for viruses including HIV, HBV, HCV, HDV, and HEV. For at least HIV and HCV, professional societies recommend use of international units. However, because the absolute viral load measures can vary over such a huge range, both of the above values are often reported as the log (to the base 10) of the absolute number. In the case of HIV, changes of viral load of less than a log unit are of dubious meaning. For HCV, the conversions factors from viral load measured in International units to number per volume vary as much as 5-fold across different test products (http://hcvadvocate.org/hepatitis/factsheets_pdf/viralload.pdf). A small number of viral load tests report the results in mass concentrations of the virus. We bring this up to be sure that mappers are aware of these distinctions, and to lobby professional groups and laboratories to get to one way for reporting the viral loads for each kind of virus.							
1488	42176-8	1,3 beta glucan [Mass/volume] in Serum	Micro	979	ng/mL	ng/mL	Used to assist Dx of invasive fungal infection	Any
1489	5834-7	Adenovirus Ag [Presence] in Unspecified specimen by Immunofluorescence	Micro	1600				Any
1490	23877-4	Anaplasma phagocytophilum IgG Ab [Titer] in Serum by Immunofluorescence	Micro	1215	{titer}	titer		Any
1491	23878-2	Anaplasma phagocytophilum IgM Ab [Titer] in Serum by Immunofluorescence	Micro	1226	{titer}	titer		Any
1492	9490-4	Aspergillus flavus Ab [Presence] in Serum	Micro	1237				Any
1493	9632-1	Aspergillus fumigatus Ab [Presence] in Serum	Micro	1676				Any
1494	22086-3	Aspergillus niger Ab [Presence] in Serum	Micro	1370				Any
1495	5052-6	Aspergillus sp Ab [Presence] in Serum by Immune diffusion (ID)	Micro	1743				Any
1496	5053-4	Aspergillus sp Ab [Titer] in Serum by Complement fixation	Micro	1174	{titer}	titer		Any
1497	16117-4	Babesia microti IgG Ab [Titer] in Serum	Micro	1558	{titer}	titer		Any
1498	16118-2	Babesia microti IgM Ab [Titer] in Serum	Micro	1573	{titer}	titer		Any
1499	41477-1	Bacterial sialidase [Presence] in Unspecified specimen	Micro	668				Any
1500	22110-1	Bartonella henselae IgG Ab [Titer] in Serum	Micro	1643	{titer}	titer		Any
1501	22111-9	Bartonella henselae IgM Ab [Titer] in Serum	Micro	1749	{titer}	titer		Any
1502	9360-9	Bartonella quintana IgG Ab [Titer] in Serum	Micro	1872	{titer}	titer		Any
1503	9361-7	Bartonella quintana IgM Ab [Titer] in Serum	Micro	1882	{titer}	titer		Any
1504	20423-0	Beta lactamase organism identified in Isolate	Micro	1115				Any
1505	41479-7	BK virus DNA [#/volume] (viral load) in Serum or Plasma by Probe & target amplification method	Micro	1482	{copies}/uL	copies/uL		Any
1506	41480-5	BK virus DNA [#/volume] (viral load) in Urine by Probe & target amplification method	Micro	1706	{copies}/uL	copies/uL		Any
1507	32284-2	BK virus DNA [Units/volume] (viral load) in Serum or Plasma by Probe & target amplification method	Micro	1714	{copies}/uL	copies/uL		Any

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1	LOINC #	Long Common Name	Class Override	Rank	Example UCUM	Example UCUM Display	Comments	System Adjusted
1508	7816-2	Blastomyces dermatitidis Ab [Presence] in Serum	Micro	1529				Any
1509	5057-5	Blastomyces dermatitidis Ab [Titer] in Serum by Complement fixation	Micro	1273	{titer}	titer		Any
1510	550-4	Bordetella pertussis Ag [Presence] in Unspecified specimen by Immunofluorescence	Micro	1820				Any
1511	9594-3	Borrelia burgdorferi 45kD IgG Ab [Presence] in Serum by Immunoblot (IB)	Micro	572				Any
1512	4991-6	Borrelia burgdorferi DNA [Presence] in Unspecified specimen by Probe & target amplification method	Micro	1877				Any
1513	46248-1	Borrelia burgdorferi IgG & IgM [interpretation] in Serum by Immunoassay	Micro	999				Any
1514	7817-0	Borrelia burgdorferi IgG Ab [Units/volume] in Serum	Micro	1967	{index}	index		Any
1515	5062-5	Borrelia burgdorferi IgG Ab [Units/volume] in Serum by Immunoassay	Micro	1968	[arb'U]/mL	arb'U/mL		Any
1516	41279-1	Borrelia burgdorferi IgG Ab/IgM Ab [Ratio] in Serum	Micro	1586	{index}	index		Any
1517	22131-7	Borrelia burgdorferi IgG+IgM Ab [Presence] in Serum	Micro	940				Any
1518	34148-7	Borrelia burgdorferi IgG+IgM Ab [Units/volume] in Serum	Micro	410	{index}	index		Any
1519	5064-1	Borrelia burgdorferi IgM Ab [Units/volume] in Serum by Immunoassay	Micro	528	{index}	index	Test only done by immunoassay	Any
1520	35270-8	Candida sp Ab [Presence] in Serum by Immune diffusion (ID)	Micro	1484				Any
1521	47000-5	Candida sp rRNA [Presence] in Vaginal fluid by DNA probe	Micro	580				Any

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1	LOINC #	Long Common Name	Class Override	Rank	Example UCUM	Example UCUM Display	Comments	System Adjusted
	Chlamydia and Gonorrhea (aka Neisseria gonorrhoeae) In 2014, CDC recommended Nucleic acid Amplification Tests (NAAT) as the primary method for screening and diagnosis of Gonorrhea (GC) and Chlamydia (CT). EIA tests for GC and CT antigens no longer have any role, and antibody testing was never useful. Culture is only needed to deal with treatment failures and to identify susceptibility patterns. Fluorescent antibody tests do still have a small role as detailed below. Accordingly, LOINC will be flagging most antibody and antigen tests for these organisms as discouraged. And, following CDC's positions, we will be simplifying the number of distinct specimens used in LOINC codes for STD testing. The ranks are not based on empirical data from the original data source for the newly-added quantitative tests, so we used 3000 as a temporary proxy rank value. In the following, we present the CDC recommendations about specimen and test type, categorized by gender, age, and clinical circumstances. Adult non-sexual assault - Chlamydia and gonorrhea Use NAAT for genital screening/testing Female specimens - vaginal, endocervical. First-catch urine is acceptable but less sensitive (by 10%) compared to vaginal/endocervical specimens. Male specimen genital infection - first-catch urine (at least as good as urethral swab) Use NAAT for rectal/oropharyngeal Specimen - rectal or oropharyngeal swab Ocular - chlamydia only DFA (IF) for conjunctival (FDA cleared). Depending on the commercial product used, the antigen that is detected by the antibody in the C. trachomatis DFA procedure is either the MOMP or LPS molecule. Adult sexual assault NAAT for specimens from site of penetration/attempted penetration Children sexual assault - gonorrhea Girls - culture or NAAT for vaginal or urine specimens; culture for oropharynx/rectal specimens Boys - culture for all specimens (urethra, oropharynx, rectum) Children sexual assault - chlamydia Girls - culture for vaginal or rectal specimen Boys - culture for rectal specimen and if urethral discharge is present, culture the discharge at the meatus Pharyngeal specimens for chlamydia in children are NOT recommended. Confirm positive cultures with IF for antibodies to the MOMP antigen, not LPS antigen.						
1522								
1523	21613-5	Chlamydia trachomatis DNA [Presence] in Unspecified specimen by Probe & target amplification method	Micro	180				Any
1524	4993-2	Chlamydia trachomatis rRNA [Presence] in Unspecified specimen by DNA probe	Micro	620				Any
1525	43304-5	Chlamydia trachomatis rRNA [Presence] in Unspecified specimen by Probe & target amplification method	Micro	254				Any
1526	36903-3	Chlamydia trachomatis+Neisseria gonorrhoeae DNA [Identifier] in Unspecified specimen by Probe & target amplification method	Micro	327				Any

	B	C	E	F	G	H	I	P
1	LOINC #	Long Common Name	Class Override	Rank	Example UCUM	Example UCUM Display	Comments	System Adjusted
1527	45094-0	Chlamydia trachomatis [Presence] in Conjunctival specimen by Organism specific culture	Micro	3000				Cnjt
1528	6351-1	Chlamydia trachomatis Ag [Presence] in Conjunctival specimen by Immunofluorescence	Micro	3000				Cnjt
1529	14463-4	Chlamydia trachomatis [Presence] in Cervix by Organism specific culture	Micro	3000				Cvx
1530	21190-4	Chlamydia trachomatis DNA [Presence] in Cervix by Probe and target amplification method	Micro	751				Cvx
1531	50387-0	Chlamydia trachomatis rRNA [Presence] in Cervix by Probe & target amplification method	Micro	277				Cvx
1532	45068-4	Chlamydia trachomatis+Neisseria gonorrhoeae DNA [Presence] in Cervix by Probe and target amplification method	Micro	2001				Cvx
1533	80361-9	Chlamydia trachomatis+Neisseria gonorrhoeae rRNA [Presence] in Cervix by Probe and target amplification method	Micro	3000				Cvx
1534	45086-6	Chlamydia trachomatis DNA [Presence] in Nasopharynx by Probe and target amplification method	Micro	3000				Nph
1535	57288-3	Chlamydia trachomatis rRNA [Presence] in Nasopharynx by Probe and target amplification method	Micro	3000				Nph
1536	80367-6	Chlamydia trachomatis [Presence] in Rectum by Organism specific culture	Micro	3000				Rectum
1537	80363-5	Chlamydia trachomatis DNA [Presence] in Rectum by Probe and target amplification method	Micro	3000				Rectum
1538	80364-3	Chlamydia trachomatis rRNA [Presence] in Rectum by Probe and target amplification method	Micro	3000				Rectum
1539	80365-0	Chlamydia trachomatis+Neisseria gonorrhoeae rRNA [Presence] in Rectum by Probe and target amplification method	Micro	3000				Rectum
1540	14465-9	Chlamydia trachomatis [Presence] in Urethra by Organism specific culture	Micro	3000				Urethra
1541	53925-4	Chlamydia trachomatis rRNA [Presence] in Urethra by Probe & target amplification method	Micro	242				Urethra
1542	6357-8	Chlamydia trachomatis DNA [Presence] in Urine by Probe & target amplification method	Micro	726				Urine
1543	42931-6	Chlamydia trachomatis rRNA [Presence] in Urine by Probe & target amplification method	Micro	298				Urine
1544	70164-9	Chlamydia trachomatis+Neisseria gonorrhoeae DNA [Presence] in Urine by Probe and target amplification method	Micro	3000				Urine
1545	80360-1	Chlamydia trachomatis+Neisseria gonorrhoeae rRNA [Presence] in Urine by Probe and target amplification method	Micro	3000				Urine
1546	14464-2	Chlamydia trachomatis [Presence] in Vaginal fluid by Organism specific culture	Micro	3000				Vag
1547	45084-1	Chlamydia trachomatis and Neisseria gonorrhoeae rRNA panel - Vaginal fluid by Probe and target amplification method	Micro	3000				Vag

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1548	53926-2	Chlamydia trachomatis rRNA [Presence] in Vaginal fluid by Probe and target amplification method	Micro	3000				Vag
1549	80362-7	Chlamydia trachomatis+Neisseria gonorrhoeae rRNA [Presence] in Vaginal fluid by Probe and target amplification method	Micro	3000				Vag
1550	34712-0	Clostridium difficile [Presence] in Stool	Micro	1120				Any
1551	20761-3	Clostridium difficile [Presence] in Stool by Agglutination	Micro	492				Any
1552	34713-8	Clostridium difficile toxin A+B [Presence] in Stool	Micro	431				Any
1553	34468-9	Clostridium difficile toxin A+B [Presence] in Stool by Immunoassay	Micro	703				Any
1554	22203-4	Clostridium tetani IgG Ab [Units/volume] in Serum	Micro	1618	{index}	index		Any
1555	6367-7	Clostridium tetani IgG Ab [Units/volume] in Serum by Immunoassay	Micro	1705	{index}	index		Any
1556	32764-3	Clue cells [Presence] in Unspecified specimen by Wet preparation	Micro	731				Any
1557	5095-5	Coccidioides immitis Ab [Presence] in Serum by Immune diffusion (ID)	Micro	1073				Any
1558	5096-3	Coccidioides immitis Ab [Titer] in Serum by Complement fixation	Micro	1741	{titer}	titer		Any
1559	13947-7	Coccidioides immitis IgG Ab [Presence] in Serum by Immunoassay	Micro	1564				Any
1560	13948-5	Coccidioides immitis IgM Ab [Presence] in Serum by Immunoassay	Micro	1567				Any
1561	5116-9	Corynebacterium diphtheriae Ab [Units/volume] in Serum by Immunoassay	Micro	1849	{index}	index		Any
1562	13227-4	Corynebacterium diphtheriae IgG Ab [Units/volume] in Serum	Micro	1712	{index}	index		Any
1563	58787-3	Corynebacterium diphtheriae IgG Ab [Units/volume] in Serum by Immunoassay	Micro	1713	{index}	index		Any
1564	31788-3	Cryptococcus sp Ag [Presence] in Cerebral spinal fluid	Micro	1707				Any
1565	9820-2	Cryptococcus sp Ag [Titer] in Serum by Latex agglutination	Micro	1432	{titer}	titer		Any
1566	41487-0	Cryptosporidium parvum Ag [Presence] in Stool by Immunoassay	Micro	1772				Any
1567	20781-1	Cryptosporidium sp [Presence] in Stool by Acid fast stain	Micro	1899				Any
1568	31797-4	Cytomegalovirus Ag [Presence] in Unspecified specimen	Micro	1300				Any
1569	6379-2	Cytomegalovirus Ag [Presence] in Unspecified specimen by Immunoassay	Micro	1301				Any
1570	30247-1	Cytomegalovirus DNA [#/volume] (viral load) in Serum or Plasma by Probe & target amplification method	Micro	1490	{copies}/mL	copies/mL		Any
1571	33006-8	Cytomegalovirus DNA [#/volume] (viral load) in Unspecified specimen by Probe & target amplification method	Micro	1006	{copies}/mL	copies/mL		Any
1572	28008-1	Cytomegalovirus DNA [Presence] in Blood by Probe & signal amplification method	Micro	915				Any
1573	5000-5	Cytomegalovirus DNA [Presence] in Unspecified specimen by Probe & target amplification method	Micro	1687				Any
1574	20475-0	Cytomegalovirus IgG Ab [interpretation] in Serum	Micro	1004				Any
1575	5124-3	Cytomegalovirus IgG Ab [Units/volume] in Serum by Immunoassay	Micro	673	{index}	index		Any
1576	24119-0	Cytomegalovirus IgM Ab [Presence] in Serum by Immunoassay	Micro	1561				Any
1577	49539-0	Cytomegalovirus IgM Ab [Presence] in Serum by Immunofluorescence	Micro	1158				Any
1578	5127-6	Cytomegalovirus IgM Ab [Titer] in Serum by Immunofluorescence	Micro	1160	{titer}	titer		Any

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1579	5126-8	Cytomegalovirus IgM Ab [Units/volume] in Serum by Immunoassay	Micro	968	{index}	index		Any
1580	9783-2	Ehrlichia chaffeensis IgG Ab [Titer] in Serum	Micro	1194	{titer}	titer		Any
1581	9784-0	Ehrlichia chaffeensis IgM Ab [Titer] in Serum	Micro	1222	{titer}	titer		Any
1582	29591-5	Enterovirus RNA [Presence] in Unspecified specimen by Probe & target amplification method	Micro	1922				Any
1583	30339-6	Epstein Barr virus capsid IgG Ab [Presence] in Serum	Micro	1304				Any
1584	24114-1	Epstein Barr virus capsid IgG Ab [Presence] in Serum by Immunoassay	Micro	1305				Any
1585	40750-2	Epstein Barr virus capsid IgG Ab [Presence] in Serum by Immunofluorescence	Micro	1023				Any
1586	5158-1	Epstein Barr virus capsid IgG Ab [Titer] in Serum by Immunofluorescence	Micro	1055	{titer}	titer		Any
1587	7885-7	Epstein Barr virus capsid IgG Ab [Units/volume] in Serum	Micro	606	{index}	index		Any
1588	5157-3	Epstein Barr virus capsid IgG Ab [Units/volume] in Serum by Immunoassay	Micro	607				Any
1589	30340-4	Epstein Barr virus capsid IgM Ab [Presence] in Serum	Micro	1283				Any
1590	24115-8	Epstein Barr virus capsid IgM Ab [Presence] in Serum by Immunoassay	Micro	1284				Any
1591	5160-7	Epstein Barr virus capsid IgM Ab [Titer] in Serum by Immunofluorescence	Micro	1111	{titer}	titer		Any
1592	7886-5	Epstein Barr virus capsid IgM Ab [Units/volume] in Serum	Micro	603	{titer}	titer		Any
1593	5159-9	Epstein Barr virus capsid IgM Ab [Units/volume] in Serum by Immunoassay	Micro	604	{index}	index		Any
1594	32585-2	Epstein Barr virus DNA [#/volume] (viral load) in Unspecified specimen by Probe & target amplification method	Micro	1467	{copies}/mL	copies/mL		Any
1595	5005-4	Epstein Barr virus DNA [Presence] in Unspecified specimen by Probe & target amplification method	Micro	1832				Any
1596	14083-0	Epstein Barr virus early Ab [Titer] in Serum by Immunofluorescence	Micro	1584	{titer}	titer		Any
1597	40752-8	Epstein Barr virus early IgG Ab [Presence] in Serum by Immunoassay	Micro	714				Any
1598	56598-6	Epstein Barr virus early IgM Ab [Units/volume] in Serum by Immunoassay	Micro	250				Any
1599	22296-8	Epstein Barr virus nuclear Ab [Presence] in Serum	Micro	1436				Any
1600	22297-6	Epstein Barr virus nuclear Ab [Titer] in Serum	Micro	1540	{titer}	titer		Any
1601	21260-5	Epstein Barr virus nuclear Ab [Titer] in Serum by Immunofluorescence	Micro	1483	{titer}	titer		Any
1602	7883-2	Epstein Barr virus nuclear IgG Ab [Presence] in Serum	Micro	1587				Any
1603	5156-5	Epstein Barr virus nuclear IgG Ab [Presence] in Serum by Immunoassay	Micro	2013				Any
1604	31374-2	Epstein Barr virus nuclear IgG Ab [Units/volume] in Serum	Micro	698	{index}	index		Any
1605	30083-0	Epstein Barr virus nuclear IgG Ab [Units/volume] in Serum by Immunoassay	Micro	699	[IU]/mL	IU/mL		Any

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1606	21262-1	Escherichia coli shiga-like [Presence] in Stool by Immunoassay	Micro	589				Any
1607	21003-9	Fungus identified in Unspecified specimen by Fungus stain	Micro	825				Any
1608	35383-9	Galactomannan Ag [Units/volume] in Serum or Plasma	Micro	961	{index}	index	Used to diagnose invasive aspergillosis.	Any
1609	44357-2	Galactomannan Ag [Units/volume] in Serum or Plasma by Immunoassay	Micro	582	{index}	index		Any
1610	6410-5	Gardnerella vaginalis rRNA [Presence] in Genital specimen by DNA probe	Micro	583				Any
1611	6412-1	Giardia lamblia Ag [Presence] in Stool by Immunoassay	Micro	819				Any
1612	29559-2	Haemophilus ducreyi DNA [Presence] in Unspecified specimen by Probe & target amplification method	Micro	1938				Any
1613	29891-9	Helicobacter pylori [Presence] in Stomach by urea breath test	Micro	494				Any
1614	22310-7	Helicobacter pylori Ab [Presence] in Serum	Micro	1078				Any
1615	7900-4	Helicobacter pylori Ab [Units/volume] in Serum	Micro	737	{index}	index		Any
1616	31843-6	Helicobacter pylori Ag [Presence] in Stool	Micro	1708				Any
1617	17780-8	Helicobacter pylori Ag [Presence] in Stool by Immunoassay	Micro	949				Any
1618	7901-2	Helicobacter pylori IgA Ab [Units/volume] in Serum	Micro	1811				Any
1619	6420-4	Helicobacter pylori IgA Ab [Units/volume] in Serum by Immunoassay	Micro	599	{index}	index		Any
1620	16126-5	Helicobacter pylori IgG Ab [Presence] in Serum	Micro	1029				Any
1621	17859-0	Helicobacter pylori IgG Ab [Presence] in Serum by Immunoassay	Micro	747				Any
1622	7902-0	Helicobacter pylori IgG Ab [Units/volume] in Serum	Micro	1521				Any
1623	5176-3	Helicobacter pylori IgG Ab [Units/volume] in Serum by Immunoassay	Micro	439	{index}	index		Any
1624	5177-1	Helicobacter pylori IgM Ab [Units/volume] in Serum by Immunoassay	Micro	830	{index}	index		Any
1625	13951-9	Hepatitis A virus Ab [Presence] in Serum by Immunoassay	Micro	558				Any
1626	5183-9	Hepatitis A virus Ab [Units/volume] in Serum by Immunoassay	Micro	1176	{index}	index		Any
1627	22314-9	Hepatitis A virus IgM Ab [Presence] in Serum	Micro	724				Any
1628	13950-1	Hepatitis A virus IgM Ab [Presence] in Serum by Immunoassay	Micro	319				Any
1629	22315-6	Hepatitis A virus IgM Ab [Units/volume] in Serum	Micro	1803				Any
1630	5181-3	Hepatitis A virus IgM Ab [Units/volume] in Serum by Immunoassay	Micro	1085	{index}	index		Any
1631	13952-7	Hepatitis B virus core Ab [Presence] in Serum by Immunoassay	Micro	478				Any
1632	47440-3	Hepatitis B virus core Ab [Presence] in Serum from donor	Micro	1671				Any
1633	5187-0	Hepatitis B virus core Ab [Units/volume] in Serum by Immunoassay	Micro	989	{index}	index		Any
1634	31204-1	Hepatitis B virus core IgM Ab [Presence] in Serum	Micro	782				Any
1635	24113-3	Hepatitis B virus core IgM Ab [Presence] in Serum by Immunoassay	Micro	353				Any
1636	5185-4	Hepatitis B virus core IgM Ab [Units/volume] in Serum by Immunoassay	Micro	660	{index}	index		Any
1637	29615-2	Hepatitis B virus DNA [#/volume] (viral load) in Serum or Plasma by Probe & target amplification method	Micro	1112	{copies}/mL	copies/mL		Any
1638	11258-1	Hepatitis B virus DNA [Units/volume] in Serum	Micro	1030	[IU]/mL	IU/mL		Any
1639	13953-5	Hepatitis B virus e Ab [Presence] in Serum by Immunoassay	Micro	787				Any

	B	C	E	F	G	H	I	P
1	LOINC #	Long Common Name	Class Override	Rank	Example UCUM	Example UCUM Display	Comments	System Adjusted
1640	31844-4	Hepatitis B virus e Ag [Presence] in Serum	Micro	1108				Any
1641	13954-3	Hepatitis B virus e Ag [Presence] in Serum by Immunoassay	Micro	804				Any
1642	5191-2	Hepatitis B virus e Ag [Units/volume] in Serum by Immunoassay	Micro	1414	[IU]/mL	IU/mL		Any
1643	22322-2	Hepatitis B virus surface Ab [Presence] in Serum	Micro	375				Any
1644	10900-9	Hepatitis B virus surface Ab [Presence] in Serum by Immunoassay	Micro	810				Any
1645	16935-9	Hepatitis B virus surface Ab [Units/volume] in Serum	Micro	511	m[IU]/mL	mIU/mL		Any
1646	5193-8	Hepatitis B virus surface Ab [Units/volume] in Serum by Immunoassay	Micro	512	m[IU]/mL	mIU/mL		Any
1647	5194-6	Hepatitis B virus surface Ab [Units/volume] in Serum by Radioimmunoassay (RIA)	Micro	335	{index}	index		Any
1648	5195-3	Hepatitis B virus surface Ag [Presence] in Serum	Micro	226				Any
1649	65633-0	Hepatitis B virus surface Ag [Presence] in Serum by Confirmatory method	Micro	483			All of the major laboratories whose web sites we explored perform a confirmatory test to verify positive results on their routine HBS Ag EIA test. Some indicate that the confirmatory test requires an extra charge, some do not. As of 2011, the confirmatory test was usually a neutralization test but only one lab that we reviewed specified the method as such. This term covers all confirmatory methods and will not require changing if/when confirmatory methods change.	Any
1650	5196-1	Hepatitis B virus surface Ag [Presence] in Serum by Immunoassay	Micro	210				Any
1651	7905-3	Hepatitis B virus surface Ag [Presence] in Serum by Neutralization test	Micro	1424				Any
1652	47364-5	Hepatitis B virus surface Ag [Presence] in Serum from donor by Immunoassay	Micro	1679				Any
1653	23870-9	Hepatitis C virus 100+5-1-1 Ab [Presence] in Serum by Immunoblot (IB)	Micro	1873				Any
1654	9609-9	Hepatitis C virus 22-3 Ab [Presence] in Serum by Immunoblot (IB)	Micro	1723				Any
1655	16128-1	Hepatitis C virus Ab [Presence] in Serum	Micro	440				Any
1656	13955-0	Hepatitis C virus Ab [Presence] in Serum by Immunoassay	Micro	395				Any
1657	5199-5	Hepatitis C virus Ab [Presence] in Serum by Immunoblot (IB)	Micro	844				Any
1658	47441-1	Hepatitis C virus Ab [Presence] in Serum from donor	Micro	1684				Any
1659	5198-7	Hepatitis C virus Ab [Units/volume] in Serum by Immunoassay	Micro	239	{index_value}	index_value	NOTE: You may really want to map to [LOINC: 48159-8], signal to cut off ratio (S/CO), which is also included in this table.	Any
1660	24011-9	Hepatitis C virus Ab band pattern [interpretation] in Serum by Immunoblot (IB)	Micro	988				Any
1661	51656-7	Hepatitis C virus Ab Signal/Cutoff [Ratio] in Body fluid	Micro	280	{ratio}	ratio		Any
1662	48159-8	Hepatitis C virus Ab Signal/Cutoff [Ratio] in Serum or Plasma by Immunoassay	Micro	322				Any

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1	LOINC #	Long Common Name	Class Override	Rank	Example UCUM	Example UCUM Display	Comments	System Adjusted
1663	49846-9	Hepatitis C virus Ag [Presence] in Blood or Marrow from donor	Micro	1675				Any
1664	9610-7	Hepatitis C virus c33c Ab [Presence] in Serum by Immunoblot (IB)	Micro	1722			Part of immune blot panel	Any
1665	32286-7	Hepatitis C virus genotype [Identifier] in Serum or Plasma by Probe & target amplification method	Micro	842				Any
1666	23871-7	Hepatitis C virus NS5 Ab [Presence] in Serum by Immunoblot (IB)	Micro	1720			Part of immune blot panel	Any
1667	20416-4	Hepatitis C virus RNA [#/volume] (viral load) in Serum or Plasma by Probe & target amplification method	Micro	1769	{copies}/mL	copies/mL	Viral load	Any
1668	47252-2	Hepatitis C virus RNA [Log #/volume] (viral load) in Serum or Plasma by Probe & target amplification method	Micro	1771	{log_copies}/mL	log_copies/mL	Viral load	Any
1669	38180-6	Hepatitis C virus RNA [log units/volume] (viral load) in Serum or Plasma by Probe & target amplification method	Micro	741	{log IU}/mL	log IU/mL	Viral load	Any
1670	11259-9	Hepatitis C virus RNA [Presence] in Serum or Plasma by Probe & target amplification method	Micro	740				Any
1671	11011-4	Hepatitis C virus RNA [Units/volume] (viral load) in Serum or Plasma by Probe & target amplification method	Micro	531	k[IU]/mL	kIU/mL		Any
1672	22330-5	Hepatitis D virus Ab [Units/volume] in Serum	Micro	712				Any
1673	16130-7	Herpes simplex virus 1 DNA [Presence] in Unspecified specimen by Probe & target amplification method	Micro	1420				Any
1674	17850-9	Herpes simplex virus 1 IgG Ab [Presence] in Serum	Micro	1106				Any
1675	51916-5	Herpes simplex virus 1 IgG Ab [Presence] in Serum by Immunoassay	Micro	1107				Any
1676	5206-8	Herpes simplex virus 1 IgG Ab [Units/volume] in Serum by Immunoassay	Micro	537	{index}	index		Any
1677	50758-2	Herpes simplex virus 1 IgM Ab [Titer] in Serum by Immunofluorescence	Micro	1913	{titer}	titer		Any
1678	20444-6	Herpes simplex virus 1+2 DNA [Presence] in Unspecified specimen by Probe & target amplification method	Micro	792				Any
1679	27948-9	Herpes simplex virus 1+2 IgG Ab [Units/volume] in Serum by Immunoassay	Micro	863	{index}	index		Any
1680	41399-7	Herpes simplex virus 1+2 IgM Ab [Units/volume] in Serum by Immunoassay	Micro	808	{index}	index		Any
1681	16131-5	Herpes simplex virus 2 DNA [Presence] in Unspecified specimen by Probe & target amplification method	Micro	803				Any
1682	17851-7	Herpes simplex virus 2 IgG Ab [Presence] in Serum	Micro	1097				Any
1683	43180-9	Herpes simplex virus 2 IgG Ab [Presence] in Serum by Immunoassay	Micro	1098				Any
1684	5209-2	Herpes simplex virus 2 IgG Ab [Units/volume] in Serum by Immunoassay	Micro	452	{index}	index		Any
1685	26927-4	Herpes simplex virus 2 IgM Ab [Titer] in Serum by Immunofluorescence	Micro	1914	{titer}	titer		Any
1686	5202-7	Herpes simplex virus Ab [Units/volume] in Serum by Immunoassay	Micro	1621	{index}	index		Any
1687	20446-1	Herpes simplex virus IgG Ab [interpretation] in Serum by Immunoassay	Micro	1733				Any
1688	25435-9	Herpes simplex virus IgM Ab [Presence] in Serum	Micro	1737				Any

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1	LOINC #	Long Common Name	Class Override	Rank	Example UCUM	Example UCUM Display	Comments	System Adjusted
1689	40729-6	Herpes simplex virus IgM Ab [Presence] in Serum by Immunoassay	Micro	1997				Any
1690	31418-7	Heterophile Ab [Presence] in Serum	Micro	566				Any
1691	5213-4	Heterophile Ab [Presence] in Serum by Latex agglutination	Micro	855				Any
1692	5218-3	Histoplasma capsulatum Ab [Presence] in Serum by Immune diffusion (ID)	Micro	1103				Any
1693	19108-0	Histoplasma capsulatum Ag [Presence] in Serum	Micro	1063				Any
1694	44525-4	Histoplasma capsulatum Ag [Presence] in Serum by Immunoassay	Micro	1064				Any
1695	19107-2	Histoplasma capsulatum Ag [Units/volume] in Serum by Radioimmunoassay (RIA)	Micro	495	{index}	index		Any
1696	35732-7	Histoplasma capsulatum H Ab [Presence] in Serum by Immune diffusion (ID)	Micro	1507				Any
1697	44528-8	Histoplasma capsulatum M Ab [Presence] in Serum	Micro	1503				Any
1698	20573-2	Histoplasma capsulatum mycelial phase Ab [Titer] in Serum by Complement fixation	Micro	977	{titer}	titer		Any
1699	20574-0	Histoplasma capsulatum yeast phase Ab [Titer] in Serum by Complement fixation	Micro	1157	{titer}	titer		Any
1700	42768-2	HIV 1 & 2 Ab [interpretation] in Serum Narrative	Micro	1028				Any
1701	44607-0	HIV 1 [interpretation] in Serum by Immunoassay	Micro	1846				Any
1702	7917-8	HIV 1 Ab [Presence] in Serum	Micro	1611				Any
1703	29893-5	HIV 1 Ab [Presence] in Serum by Immunoassay	Micro	1177				Any
1704	5221-7	HIV 1 Ab [Presence] in Serum by Immunoblot (IB)	Micro	1510				Any
1705	13499-9	HIV 1 Ab band pattern [interpretation] in Serum by Immunoblot (IB)	Micro	1353				Any
1706	24012-7	HIV 1 Ag [Presence] in Serum	Micro	785				Any
1707	5222-5	HIV 1 Ag [Presence] in Serum by Immunoassay	Micro	786				Any
1708	9661-0	HIV 1 gp120 Ab [Presence] in Serum by Immunoblot (IB)	Micro	1249				Any
1709	9660-2	HIV 1 gp160 Ab [Presence] in Serum by Immunoblot (IB)	Micro	1242				Any
1710	35452-2	HIV 1 gp40 Ab [Presence] in Serum by Immunoblot (IB)	Micro	1440				Any
1711	9662-8	HIV 1 gp41 Ab [Presence] in Serum by Immunoblot (IB)	Micro	1393				Any
1712	12859-5	HIV 1 p18 Ab [Presence] in Serum by Immunoblot (IB)	Micro	1400				Any
1713	9664-4	HIV 1 p24 Ab [Presence] in Serum by Immunoblot (IB)	Micro	1248				Any
1714	9666-9	HIV 1 p31 Ab [Presence] in Serum by Immunoblot (IB)	Micro	1250				Any
1715	9667-7	HIV 1 p51 Ab [Presence] in Serum by Immunoblot (IB)	Micro	1245				Any
1716	9668-5	HIV 1 p55 Ab [Presence] in Serum by Immunoblot (IB)	Micro	1244				Any
1717	12856-1	HIV 1 p65 Ab [Presence] in Serum by Immunoblot (IB)	Micro	1380				Any
1718	20447-9	HIV 1 RNA [#/volume] (viral load) in Serum or Plasma by Probe & target amplification method	Micro	626	{copies}/mL	copies/mL	Viral load	Any
1719	25836-8	HIV 1 RNA [#/volume] (viral load) in Unspecified specimen by Probe & target amplification method	Micro	685	{copies}/mL	copies/mL	Viral load	Any
1720	24013-5	HIV 1 RNA [interpretation] in Serum	Micro	948				Any
1721	29539-4	HIV 1 RNA [Log #/volume] (viral load) in Plasma by Probe & signal amplification method	Micro	1774	{log_copies}/mL	log_copies/mL	Viral load	Any

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1	LOINC #	Long Common Name	Class Override	Rank	Example UCUM	Example UCUM Display	Comments	System Adjusted
1722	29541-0	HIV 1 RNA [Log #/volume] (viral load) in Plasma by Probe & target amplification method	Micro	654	{log_copies}/mL	log_copies/mL	Viral load	Any
1723	25835-0	HIV 1 RNA [Presence] in Serum or Plasma by Probe & target amplification method	Micro	1661				Any
1724	23876-6	HIV 1 RNA [Units/volume] (viral load) in Plasma by Probe & signal amplification method	Micro	1760	{copies}/mL	copies/mL	Viral load	Any
1725	7918-6	HIV 1+2 Ab [Presence] in Serum	Micro	442				Any
1726	31201-7	HIV 1+2 Ab [Presence] in Serum by Immunoassay	Micro	324				Any
1727	44533-8	HIV 1+2 Ab [Presence] in Serum from donor	Micro	1672				Any
1728	49580-4	HIV 1+2 Ab [Presence] in Unspecified specimen by Rapid test	Micro	1569				Any
1729	48345-3	HIV 1+O+2 Ab [Presence] in Serum or Plasma	Micro	202				Any
1730	48346-1	HIV 1+O+2 Ab [Units/volume] in Serum or Plasma	Micro	213				Any
1731	30361-0	HIV 2 Ab [Presence] in Serum by Immunoassay	Micro	1458				Any
1732	22362-8	HTLV 1+2 Ab [Presence] in Serum	Micro	1750				Any
1733	29901-6	HTLV 1+2 Ab [Presence] in Serum by Immunoassay	Micro	1642				Any
1734	16982-1	HTLV 1+2 Ab [Presence] in Serum by Immunoblot (IB)	Micro	1930				Any
1735	44538-7	HTLV 1+2 Ab [Presence] in Serum from donor	Micro	1673				Any
1736	30167-1	Human papilloma virus 16+18+31+33+35+39+45+51+52+56+58+59+68 DNA [Presence] in Cervix by Probe & signal amplification method	Micro	172				Any
1737	21440-3	Human papilloma virus 16+18+31+33+35+45+51+52+56 DNA [Presence] in Cervix by DNA probe	Micro	709				Any
1738	21441-1	Human papilloma virus 6+11+42+43+44 DNA [Presence] in Cervix by DNA probe	Micro	1293				Any
1739	42481-2	Human papilloma virus 6+11+42+43+44 DNA [Presence] in Cervix by Probe & signal amplification method	Micro	557				Any
1740	44547-8	Human papilloma virus DNA [Presence] in Unspecified specimen by Probe & signal amplification method	Micro	1518				Any
1741	48560-7	Human papilloma virus genotype [Identifier] in Unspecified specimen by Probe & target amplification method	Micro	1407				Any
1742	46082-4	Influenza virus A Ag [Presence] in Nasopharynx by Immunoassay	Micro	1201				Any
1743	5862-8	Influenza virus A Ag [Presence] in Unspecified specimen by Immunoassay	Micro	728				Any
1744	5863-6	Influenza virus A Ag [Presence] in Unspecified specimen by Immunofluorescence	Micro	1296				Any
1745	24015-0	Influenza virus A+B Ag [Presence] in Unspecified specimen	Micro	1991				Any
1746	6437-8	Influenza virus A+B Ag [Presence] in Unspecified specimen by Immunoassay	Micro	1992				Any
1747	46083-2	Influenza virus B Ag [Presence] in Nasopharynx by Immunoassay	Micro	1202				Any
1748	5866-9	Influenza virus B Ag [Presence] in Unspecified specimen by Immunoassay	Micro	796				Any
1749	41499-5	Legionella pneumophila 1 Ag [Presence] in Urine by Immunoassay	Micro	1169				Any

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1750	588-4	Legionella pneumophila Ag [Presence] in Unspecified specimen by Immunofluorescence	Micro	1360				Any
1751	6448-5	Legionella pneumophila Ag [Presence] in Urine by Radioimmunoassay (RIA)	Micro	1649				Any
1752	593-4	Legionella sp identified in Unspecified specimen by Organism specific culture	Micro	1154				Any
1753	12232-5	Measles virus Ag [Presence] in Unspecified specimen by Immunofluorescence	Micro	467				Any
1754	20479-2	Measles virus IgG Ab [Presence] in Serum	Micro	1133				Any
1755	35275-7	Measles virus IgG Ab [Presence] in Serum by Immunoassay	Micro	1134				Any
1756	5244-9	Measles virus IgG Ab [Units/volume] in Serum by Immunoassay	Micro	627	{index}	index		Any
1757	22415-4	Mumps virus IgG Ab [Presence] in Serum	Micro	1007				Any
1758	6476-6	Mumps virus IgG Ab [Presence] in Serum by Immunoassay	Micro	1008				Any
1759	7966-5	Mumps virus IgG Ab [Units/volume] in Serum	Micro	754	{index}	index		Any
1760	25418-5	Mumps virus IgG Ab [Units/volume] in Serum by Immunoassay	Micro	1789	{index}	index		Any
1761	42621-3	Mycoplasma hominis DNA [Presence] in Blood by Probe & target amplification method	Micro	1761				Any
1762	5255-5	Mycoplasma pneumoniae IgG Ab [Units/volume] in Serum by Immunoassay	Micro	1563	{index}	index		Any
1763	5256-3	Mycoplasma pneumoniae IgM Ab [Units/volume] in Serum by Immunoassay	Micro	1556	{index}	index		Any
1764	23301-5	Mycoplasma sp DNA [Presence] in Unspecified specimen by Probe & target amplification method	Micro	1555				Any
1765	**Neisseria gonorrhoeae** [Refer to the notes above, preceding Chlamydia tests]							
1766	24111-7	Neisseria gonorrhoeae DNA [Presence] in Unspecified specimen by Probe & target amplification method	Micro	178				Any
1767	21416-3	Neisseria gonorrhoeae DNA [Presence] in Urine by Probe & target amplification method	Micro	1560				Any
1768	32198-4	Neisseria gonorrhoeae rRNA [Presence] in Cervix by DNA probe	Micro	756				Any
1769	50388-8	Neisseria gonorrhoeae rRNA [Presence] in Cervix by Probe & target amplification method	Micro	278				Any
1770	5028-6	Neisseria gonorrhoeae rRNA [Presence] in Unspecified specimen by DNA probe	Micro	497				Any
1771	43305-2	Neisseria gonorrhoeae rRNA [Presence] in Unspecified specimen by Probe & target amplification method	Micro	256				Any
1772	688-2	Neisseria gonorrhoeae [Presence] in Cervix by Organism specific culture	Micro	3000				Cervix
1773	30099-6	Neisseria gonorrhoeae [Presence] in Conjunctival specimen by Organism specific culture	Micro	3000				Cnjt
1774	32705-6	Neisseria gonorrhoeae Ag [Presence] in Genital specimen	Micro	3000				Genital

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1775	47387-6	Neisseria gonorrhoeae DNA [Presence] in Genital specimen by Probe & target amplification method	Micro	1608				Genital
1776	57289-1	Neisseria gonorrhoeae rRNA [Presence] in Nasopharynx by Probe and target amplification method	Micro	3000				Nph
1777	80368-4	Neisseria gonorrhoeae [Presence] in Rectum by Organism specific culture	Micro	3000				Rectum
1778	80366-8	Neisseria gonorrhoeae rRNA [Presence] in Rectum by Probe and target amplification method	Micro	3000				Rectum
1779	80369-2	Neisseria sp identified in Rectum by Organism specific culture	Micro	3000				Rectum
1780	697-3	Neisseria gonorrhoeae [Presence] in Urethra by Organism specific culture	Micro	3000				Urethra
1781	53879-3	Neisseria gonorrhoeae Ag [Presence] in Urethra	Micro	3000				Urethra
1782	21415-5	Neisseria gonorrhoeae DNA [Presence] in Urethra by Probe and target amplification method	Micro	3000				Uretha
1783	53927-0	Neisseria gonorrhoeae rRNA [Presence] in Urethra by Probe & target amplification method	Micro	232				Urethra
1784	43384-7	Neisseria sp identified in Urethra by Organism specific culture	Micro	3000				Urethra
1785	60256-5	Neisseria gonorrhoeae rRNA [Presence] in Urine by Probe & target amplification method	Micro	233				Urine
1786	693-2	Neisseria gonorrhoeae [Presence] in Vaginal fluid by Organism specific culture	Micro	3000				Vag
1787	10701-1	Ova+Parasites identified in Stool by Concentration	Micro	257				Any
1788	10704-5	Ova+Parasites identified in Stool by Light microscopy	Micro	659				Any
1789	5869-3	Parainfluenza virus 1 Ag [Presence] in Unspecified specimen by Immunofluorescence	Micro	1906				Any
1790	13327-2	Parainfluenza virus Ag [Presence] in Unspecified specimen by Immunofluorescence	Micro	1701				Any
1791	29675-6	Parvovirus B19 IgG Ab [Presence] in Serum	Micro	1744				Any
1792	29660-8	Parvovirus B19 IgG Ab [Presence] in Serum by Immunoassay	Micro	1745				Any
1793	25630-5	Parvovirus B19 IgG Ab [Titer] in Serum	Micro	1729	{titer}	titer		Any
1794	7983-0	Parvovirus B19 IgG Ab [Units/volume] in Serum	Micro	1457	{index}	index		Any
1795	5273-8	Parvovirus B19 IgG Ab [Units/volume] in Serum by Immunoassay	Micro	1014	{index}	index		Any
1796	7981-4	Parvovirus B19 IgM Ab [Presence] in Serum	Micro	1746				Any
1797	40658-7	Parvovirus B19 IgM Ab [Presence] in Serum by Immunoassay	Micro	1747				Any
1798	25631-3	Parvovirus B19 IgM Ab [Titer] in Serum	Micro	1462	{titer}	titer		Any
1799	7984-8	Parvovirus B19 IgM Ab [Units/volume] in Serum	Micro	1280	{index}	index		Any
1800	5274-6	Parvovirus B19 IgM Ab [Units/volume] in Serum by Immunoassay	Micro	1013	{index}	index		Any
1801	5290-2	Reagin Ab [Presence] in Cerebral spinal fluid by VDRL	Micro	1142				Any
1802	20507-0	Reagin Ab [Presence] in Serum by RPR	Micro	173				Any
1803	5292-8	Reagin Ab [Presence] in Serum by VDRL	Micro	1355				Any
1804	22463-4	Reagin Ab [Presence] in Serum from donor	Micro	1681				Any
1805	31147-2	Reagin Ab [Titer] in Serum by RPR	Micro	308	{titer}	titer		Any

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1806	5876-8	Respiratory syncytial virus Ag [Presence] in Unspecified specimen by Immunoassay	Micro	881				Any
1807	5877-6	Respiratory syncytial virus Ag [Presence] in Unspecified specimen by Immunofluorescence	Micro	1674				Any
1808	41476-3	Rickettsia rickettsii IgG Ab [Presence] in Serum by Immunoassay	Micro	1548				Any
1809	41475-5	Rickettsia rickettsii IgM Ab [Presence] in Serum by Immunoassay	Micro	1559				Any
1810	5880-0	Rotavirus Ag [Presence] in Stool by Immunoassay	Micro	1185				Any
1811	22496-4	Rubella virus Ab [Presence] in Serum	Micro	749				Any
1812	5332-2	Rubella virus Ab [Presence] in Serum by Latex agglutination	Micro	720				Any
1813	20458-6	Rubella virus IgG Ab [interpretation] in Serum	Micro	1209				Any
1814	41763-4	Rubella virus IgG Ab [Titer] in Serum	Micro	1398	{titer}	titer		Any
1815	8014-3	Rubella virus IgG Ab [Units/volume] in Serum	Micro	973	[IU]/mL	IU/mL		Any
1816	5334-8	Rubella virus IgG Ab [Units/volume] in Serum by Immunoassay	Micro	296	[IU]/mL	IU/mL		Any
1817	8015-0	Rubella virus IgM Ab [Units/volume] in Serum	Micro	1847	{index}	index		Any
1818	5335-5	Rubella virus IgM Ab [Units/volume] in Serum by Immunoassay	Micro	1961	{index}	index		Any
1819	22412-1	Saccharopolyspora rectivirgula Ab [Presence] in Serum	Micro	1901				Any
1820	14207-5	Streptococcal DNAse B [Titer] in Serum	Micro	1517	{titer}	titer		Any
1821	11266-4	Streptococcus agalactiae Ag [Presence] in Unspecified specimen	Micro	964				Any
1822	48683-7	Streptococcus agalactiae DNA [Presence] in Unspecified specimen by Probe & target amplification method	Micro	1156				Any
1823	5034-4	Streptococcus agalactiae rRNA [Presence] in Unspecified specimen by DNA probe	Micro	959				Any
1824	85954-6	Streptococcus pneumoniae Danish serotype 1 IgG Ab [Mass/volume] in Serum	Micro	1394	ug/mL	ug/mL		Any
1825	85955-3	Streptococcus pneumoniae Danish serotype 1 IgG Ab [Mass/volume] in Serum by Immunoassay	Micro	1395	ug/mL	ug/mL		Any
1826	85977-7	Streptococcus pneumoniae Danish serotype 12F IgG Ab	Micro	1402	ug/mL	ug/mL		Any
1827	85974-4	Streptococcus pneumoniae Danish serotype 12F IgG Ab [Mass/volume] in Serum by Immunoassay	Micro	1403	ug/mL	ug/mL		Any
1828	85991-8	Streptococcus pneumoniae Danish serotype 14 IgG Ab	Micro	1259	ug/mL	ug/mL		Any
1829	85992-6	Streptococcus pneumoniae Danish serotype 14 IgG Ab [Mass/volume] in Serum by Immunoassay	Micro	1260	ug/mL	ug/mL		Any
1830	86024-7	Streptococcus pneumoniae Danish serotype 19F IgG Ab	Micro	1324	ug/mL	ug/mL		Any
1831	86021-3	Streptococcus pneumoniae Danish serotype 19F IgG Ab [Mass/volume] in Serum by Immunoassay	Micro	1325	ug/mL	ug/mL		Any
1832	86064-3	Streptococcus pneumoniae Danish serotype 23F IgG Ab	Micro	1326	ug/mL	ug/mL		Any
1833	86061-9	Streptococcus pneumoniae Danish serotype 23F IgG Ab [Mass/volume] in Serum by Immunoassay	Micro	1327	ug/mL	ug/mL		Any
1834	27118-9	Streptococcus pneumoniae Danish serotype 6B IgG Ab	Micro	1378	ug/mL	ug/mL		Any
1835	40905-2	Streptococcus pneumoniae Danish serotype 6B IgG Ab [Mass/volume] in Serum by Immunoassay	Micro	1379	ug/mL	ug/mL		Any
1836	86080-9	Streptococcus pneumoniae Danish serotype 3 IgG Ab [Mass/volume]	Micro	1382	ug/mL	ug/mL		Any

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1	LOINC #	Long Common Name	Class Override	Rank	Example UCUM	Example UCUM Display	Comments	System Adjusted
1837	86081-7	Streptococcus pneumoniae Danish serotype 3 IgG Ab [Mass/volume] in Serum by Immunoassay	Micro	1383	ug/mL	ug/mL		Any
1838	86107-0	Streptococcus pneumoniae Danish serotype 4 IgG Ab [Mass/volume]	Micro	1328	ug/mL	ug/mL		Any
1839	86108-8	Streptococcus pneumoniae Danish serotype 4 IgG Ab [Mass/volume] in Serum by Immunoassay	Micro	1329	ug/mL	ug/mL		Any
1840	25296-5	Streptococcus pneumoniae Danish serotype 7F IgG Ab	Micro	1384	ug/mL	ug/mL		Any
1841	40911-0	Streptococcus pneumoniae Danish serotype 7F IgG Ab [Mass/volume] in Serum by Immunoassay	Micro	1385	ug/mL	ug/mL		Any
1842	27395-3	Streptococcus pneumoniae Danish serotype 18C IgG Ab	Micro	1320	ng/mL	ng/mL		Any
1843	40913-6	Streptococcus pneumoniae Danish serotype 18C IgG Ab	Micro	1321	ng/mL	ng/mL		Any
1844	40974-8	Streptococcus pneumoniae Danish serotype 19A IgG Ab	Micro	1471	ug/mL	ug/mL		Any
1845	40915-1	Streptococcus pneumoniae Danish serotype 19A IgG Ab [Mass/volume] in Serum by Immunoassay	Micro	1472	ug/mL	ug/mL		Any
1846	30153-1	Streptococcus pneumoniae Danish serotype 9V IgG Ab	Micro	1331	ug/mL	ug/mL		Any
1847	40926-8	Streptococcus pneumoniae Danish serotype 9V IgG Ab [Mass/volume] in Serum by Immunoassay	Micro	1332	ug/mL	ug/mL		Any
1848	86147-6	Streptococcus pneumoniae Danish serotype 8 IgG Ab [Mass/volume]	Micro	1386	ug/mL	ug/mL		Any
1849	86148-4	Streptococcus pneumoniae Danish serotype 8 IgG Ab [Mass/volume] in Serum by Immunoassay	Micro	1387	ug/mL	ug/mL		Any
1850	86169-0	Streptococcus pneumoniae Danish serotype 9N IgG Ab	Micro	1388	ug/mL	ug/mL		Any
1851	86166-6	Streptococcus pneumoniae Danish serotype 9N IgG Ab [Mass/volume] in Serum by Immunoassay	Micro	1389	ug/mL	ug/mL		Any
1852	18481-2	Streptococcus pyogenes Ag [Presence] in Throat	Micro	337				Any
1853	78012-2	Streptococcus pyogenes Ag [Presence] in Throat by Rapid immunoassay	Micro	1051			v1-4: [LOINC: 6556-5] was deprecated because it was ambiguous as to whether the original concept was a rapid assay. Replaced with [LOINC: 78012-2].	Any
1854	5036-9	Streptococcus pyogenes rRNA [Presence] in Unspecified specimen by DNA probe	Micro	1470				Any
1855	22568-0	Streptolysin O Ab [Titer] in Serum	Micro	1851	{titer}	titer		Any
1856	5370-2	Streptolysin O Ab [Units/volume] in Serum	Micro	744	U/mL	U/mL		Any
1857	5388-4	Toxoplasma gondii IgG Ab [Units/volume] in Serum by Immunoassay	Micro	862	{index}	index		Any
1858	5390-0	Toxoplasma gondii IgM Ab [Units/volume] in Serum by Immunoassay	Micro	1130	{index}	index		Any
1859	22587-0	Treponema pallidum Ab [Presence] in Serum	Micro	962				Any
1860	24312-1	Treponema pallidum Ab [Presence] in Serum by Agglutination	Micro	1818				Any
1861	5393-4	Treponema pallidum Ab [Presence] in Serum by Immunofluorescence	Micro	1016				Any
1862	41163-7	Treponema pallidum DNA [Presence] in Unspecified specimen by Probe & target amplification method	Micro	1841				Any
1863	6561-5	Treponema pallidum IgG Ab [Presence] in Serum	Micro	562				Any

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1	LOINC #	Long Common Name	Class Override	Rank	Example UCUM	Example UCUM Display	Comments	System Adjusted
1864	47238-1	Treponema pallidum IgG Ab [Presence] in Serum by Immunoassay	Micro	563				Any
1865	6565-6	Trichomonas vaginalis [Identifier] in Genital specimen by Wet preparation	Micro	824				Any
1866	32766-8	Trichomonas vaginalis [Presence] in Unspecified specimen by Wet preparation	Micro	1421				Any
1867	6568-0	Trichomonas vaginalis rRNA [Presence] in Genital specimen by DNA probe	Micro	584				Any
1868	46154-1	Trichomonas vaginalis rRNA [Presence] in Unspecified specimen by Probe & target amplification method	Micro	725				Any
1869	32637-1	Urease [Presence] in Tissue	Micro	998			This is the gastric biopsy for urease production used to detect H Pylori.	Any
1870	19162-7	Varicella zoster virus IgG Ab [Presence] in Serum	Micro	379			When done by immunoassay, use the more specific [LOINC: 15410-4] term.	Any
1871	15410-4	Varicella zoster virus IgG Ab [Presence] in Serum by Immunoassay	Micro	1468				Any
1872	8047-3	Varicella zoster virus IgG Ab [Units/volume] in Serum	Micro	1598			When done by immunoassay, use the more specific [LOINC: 5403-1] term.	Any
1873	5403-1	Varicella zoster virus IgG Ab [Units/volume] in Serum by Immunoassay	Micro	480	{index}	index		Any
1874	5404-9	Varicella zoster virus IgM Ab [Units/volume] in Serum by Immunoassay	Micro	941	{index}	index		Any
1875	35691-5	XXX microorganism DNA [Presence] in Unspecified specimen by Probe & target amplification method	Micro	279			Ideally, you should use a LOINC code that identifies a specific organism; use this term as last resort.	Any
1876	41222-1	Yeast [Presence] in Body fluid by Light microscopy	Micro	1149				Any
1877	32765-0	Yeast [Presence] in Unspecified specimen by Wet preparation	Micro	874				Any
1878	Micro-B Burgdorferi							
1879	9588-5	Borrelia burgdorferi 18kD IgG Ab [Presence] in Serum by Immunoblot (IB)	Micro-B Burgdorferi	581				Ser
1880	9589-3	Borrelia burgdorferi 23kD IgG Ab [Presence] in Serum by Immunoblot (IB)	Micro-B Burgdorferi	573				Ser
1881	9598-4	Borrelia burgdorferi 23kD IgM Ab [Presence] in Serum by Immunoblot (IB)	Micro-B Burgdorferi	577				Ser
1882	9590-1	Borrelia burgdorferi 28kD IgG Ab [Presence] in Serum by Immunoblot (IB)	Micro-B Burgdorferi	571				Ser
1883	9591-9	Borrelia burgdorferi 30kD IgG Ab [Presence] in Serum by Immunoblot (IB)	Micro-B Burgdorferi	574				Ser
1884	9592-7	Borrelia burgdorferi 39kD IgG Ab [Presence] in Serum by Immunoblot (IB)	Micro-B Burgdorferi	575				Ser
1885	9599-2	Borrelia burgdorferi 39kD IgM Ab [Presence] in Serum by Immunoblot (IB)	Micro-B Burgdorferi	576				Ser
1886	9593-5	Borrelia burgdorferi 41kD IgG Ab [Presence] in Serum by Immunoblot (IB)	Micro-B Burgdorferi	570				Ser

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1887	9587-7	Borrelia burgdorferi 41kD IgM Ab [Presence] in Serum by Immunoblot (IB)	Micro-B Burgdorferi	552				Ser
1888	9595-0	Borrelia burgdorferi 58kD IgG Ab [Presence] in Serum by Immunoblot (IB)	Micro-B Burgdorferi	578				Ser
1889	9596-8	Borrelia burgdorferi 66kD IgG Ab [Presence] in Serum by Immunoblot (IB)	Micro-B Burgdorferi	579				Ser
1890	9597-6	Borrelia burgdorferi 93kD IgG Ab [Presence] in Serum by Immunoblot (IB)	Micro-B Burgdorferi	565				Ser
1891	9586-9	Borrelia burgdorferi Ab [interpretation] in Serum	Micro-B	1033				Ser
1892	11006-4	Borrelia burgdorferi Ab [Presence] in Serum	Micro-B	533				Ser
1893	20449-5	Borrelia burgdorferi Ab [Presence] in Serum by Immunoassay	Micro-B	1441				Ser
1894	13502-0	Borrelia burgdorferi Ab.IgG band pattern [interpretation] in Serum by Immunoblot (IB)	Micro-B Burgdorferi	559				Ser
1895	13503-8	Borrelia burgdorferi Ab.IgM band pattern [interpretation] in Serum by Immunoblot (IB)	Micro-B Burgdorferi	542				Ser
1896	Micro-Stain Culture							
1897	600-7	Bacteria identified in Blood by Culture	Micro-Stain Culture	131				Any
1898	610-6	Bacteria identified in Body fluid by Aerobe culture	Micro-Stain Culture	479				Any
1899	611-4	Bacteria identified in Body fluid by Culture	Micro-Stain Culture	1786				Any
1900	19126-2	Bacteria identified in Bone marrow by Aerobe culture	Micro-Stain Culture	1425				Any
1901	43441-5	Bacteria identified in Bronchoalveolar lavage by Aerobe culture	Micro-Stain Culture	1695				Any
1902	19128-8	Bacteria identified in Catheter tip by Culture	Micro-Stain Culture	946				Any
1903	606-4	Bacteria identified in Cerebral spinal fluid by Culture	Micro-Stain Culture	561				Any
1904	9822-8	Bacteria identified in Dialysis fluid by Culture	Micro-Stain Culture	982				Any
1905	609-8	Bacteria identified in Eye by Aerobe culture	Micro-Stain Culture	1593				Any
1906	10352-3	Bacteria identified in Genital specimen by Aerobe culture	Micro-Stain Culture	420				Any
1907	10353-1	Bacteria identified in Nose by Aerobe culture	Micro-Stain Culture	1512				Any
1908	6460-0	Bacteria identified in Sputum by Culture	Micro-Stain Culture	1768				Any
1909	624-7	Bacteria identified in Sputum by Respiratory culture	Micro-Stain Culture	275				Any

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1	LOINC #	Long Common Name	Class Override	Rank	Example UCUM	Example UCUM Display	Comments	System Adjusted
1910	625-4	Bacteria identified in Stool by Culture	Micro-Stain Culture	469				Any
1911	17898-8	Bacteria identified in Throat by Aerobe culture	Micro-Stain Culture	526				Any
1912	626-2	Bacteria identified in Throat by Culture	Micro-Stain Culture	638				Any
1913	20474-3	Bacteria identified in Tissue by Biopsy culture	Micro-Stain Culture	1212				Any
1914	634-6	Bacteria identified in Unspecified specimen by Aerobe culture	Micro-Stain Culture	276				Any
1915	635-3	Bacteria identified in Unspecified specimen by Anaerobe culture	Micro-Stain Culture	333				Any
1916	21020-3	Bacteria identified in Unspecified specimen by Anaerobe+Aerobe culture	Micro-Stain Culture	1062				Any
1917	6463-4	Bacteria identified in Unspecified specimen by Culture	Micro-Stain Culture	39				Any
1918	630-4	Bacteria identified in Urine by Culture	Micro-Stain Culture	93				Any
1919	11261-5	Bacteria identified in Vaginal fluid by Aerobe culture	Micro-Stain Culture	1225				Any
1920	6462-6	Bacteria identified in Wound by Culture	Micro-Stain Culture	270				Any
1921	6331-3	Campylobacter sp identified in Stool by Organism specific culture	Micro-Stain Culture	588				Any
1922	560-3	Chlamydia sp identified in Unspecified specimen by Organism specific culture	Micro-Stain Culture	1542				Any
1923	6349-5	Chlamydia trachomatis [Presence] in Unspecified specimen by Organism specific culture	Micro-Stain Culture	1946				Any
1924	5838-8	Cytomegalovirus [Presence] in Unspecified specimen by Organism specific culture	Micro-Stain Culture	1817				Any
1925	17947-3	Fungus # 2 identified in Unspecified specimen by Culture	Micro-Stain Culture	845				Any
1926	17948-1	Fungus # 3 identified in Unspecified specimen by Culture	Micro-Stain Culture	843				Any
1927	17949-9	Fungus # 4 identified in Unspecified specimen by Culture	Micro-Stain Culture	846				Any
1928	601-5	Fungus identified in Blood by Culture	Micro-Stain Culture	1476				Any
1929	575-1	Fungus identified in Skin by Culture	Micro-Stain Culture	1437				Any
1930	580-1	Fungus identified in Unspecified specimen by Culture	Micro-Stain Culture	328			Use this term for Fungus #1	Any

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1	LOINC #	Long Common Name	Class Override	Rank	Example UCUM	Example UCUM Display	Comments	System Adjusted
1931	5859-4	Herpes simplex virus identified in Unspecified specimen by Organism specific culture	Micro-Stain Culture	678				Any
1932	6604-3	Influenza virus identified in Unspecified specimen by Organism specific culture	Micro-Stain Culture	1081				Any
1933	10853-0	Isospora belli [Presence] in Unspecified specimen by Acid fast stain.Kinyoun modified	Micro-Stain Culture	1905				Any
1934	10355-6	Microscopic observation [Identifier] in Bone marrow by Wright Giemsa stain	Micro-Stain Culture	1579				Any
1935	10704-5	Ova and parasites identified in Stool by Light microscopy	Micro-Stain Culture	1366				Any
1936	6473-3	Microscopic observation [Identifier] in Tissue by Trichrome stain	Micro-Stain Culture	894				Any
1937	11545-1	Microscopic observation [Identifier] in Unspecified specimen by Acid fast stain	Micro-Stain Culture	893				Any
1938	655-1	Microscopic observation [Identifier] in Unspecified specimen by Acid fast stain.Kinyoun modified	Micro-Stain Culture	801				Any
1939	664-3	Microscopic observation [Identifier] in Unspecified specimen by Gram stain	Micro-Stain Culture	194				Any
1940	666-8	Microscopic observation [Identifier] in Unspecified specimen by India ink prep	Micro-Stain Culture	1825				Any
1941	667-6	Microscopic observation [Identifier] in Unspecified specimen by KOH preparation	Micro-Stain Culture	1031				Any
1942	673-4	Microscopic observation [Identifier] in Unspecified specimen by Ova & Parasite Preparation	Micro-Stain Culture	527				Any
1943	20431-3	Microscopic observation [Identifier] in Unspecified specimen by Smear	Micro-Stain Culture	1784				Any
1944	681-7	Microscopic observation [Identifier] in Unspecified specimen by Wright stain	Micro-Stain Culture	1034				Any
1945	533-0	Mycobacterium sp identified in Blood by Organism specific culture	Micro-Stain Culture	1870			TB Blood culture	Any
1946	543-9	Mycobacterium sp identified in Unspecified specimen by Organism specific culture	Micro-Stain Culture	425			TB culture in some specimen	Any
1947	15388-2	Mycoplasma hominis [Presence] in Unspecified specimen by Organism specific culture	Micro-Stain Culture	1718				Any
1948	698-1	Neisseria gonorrhoeae [Presence] in Unspecified specimen by Organism specific culture	Micro-Stain Culture	1609				Any
1949	43371-4	Salmonella sp/Shigella sp identified in Stool by Organism specific culture	Micro-Stain Culture	587				Any
1950	584-3	Streptococcus agalactiae [Presence] in Vaginal fluid by Organism specific culture	Micro-Stain Culture	429				Any
1951	546-2	Streptococcus.beta-hemolytic [Presence] in Throat by Organism specific culture	Micro-Stain Culture	521				Any

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1952	547-0	Streptococcus.beta-hemolytic [Presence] in Unspecified specimen by Organism specific culture	Micro-Stain Culture	334				Any
1953	10728-4	Trichomonas sp identified in Genital specimen by Organism specific culture	Micro-Stain Culture	1522				Any
1954	17852-5	Ureaplasma urealyticum [Presence] in Unspecified specimen by Organism specific culture	Micro-Stain Culture	1716				Any
1955	6584-7	Virus identified in Unspecified specimen by Culture	Micro-Stain Culture	655				Any
1956	18482-0	Yeast [Presence] in Unspecified specimen by Organism specific culture	Micro-Stain Culture	1855				Any
1957	Misc							
1958	30525-0	Age	Misc	1575	a	a		^Patient
1959	21612-7	Age - Reported	Misc	670	a	a		^Patient
1960	21112-8	Birth date	Misc	1736				^Patient
1961	49541-6	Fasting status [Presence] - Reported	Misc	507				^Patient
1962	42216-2	Reference lab name [Identifier]	Misc	687				Reference lab
1963	49581-2	Reference lab test identifier and name [Identifier]	Misc	1639				Reference lab
1964	19145-2	Reference lab test name	Misc	236				Reference lab
1965	19146-0	Reference lab test results	Misc	104				Reference lab
1966	45353-0	Date of analysis of unspecified specimen	Misc	776				XXX
1967	8251-1	Service comment	Misc	1514				XXX
1968	Molecular Pathology + Cytogenetics							
1969	33773-3	Karyotype [Identifier] in Amniotic fluid Nominal	Molecular Pathology + Cyto Genetic	1161				Amnio fld
1970	21619-2	APOE gene mutations found [Identifier] in Blood or Tissue by Molecular genetics method Nominal	Molecular Pathology + Cyto Genetic	1404				Bld/Tiss
1971	38404-0	CFTR gene mutation analysis in Blood or Tissue by Molecular genetics method Narrative	Molecular Pathology + Cyto Genetic	1180				Bld/Tiss
1972	21654-9	CFTR gene mutations found [Identifier] in Blood or Tissue by Molecular genetics method Nominal	Molecular Pathology + Cyto Genetic	460				Bld/Tiss
1973	24476-4	F2 gene mutations found [Identifier] in Blood or Tissue by Molecular genetics method Nominal	Molecular Pathology + Cyto Genetic	1056				Bld/Tiss
1974	24475-6	F2 gene p.G20210A [Presence] in Blood or Tissue by Molecular genetics method	Molecular Pathology + Cyto Genetic	470				Bld/Tiss

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1975	21667-1	F5 gene mutations found [Identifier] in Blood or Tissue by Molecular genetics method Nominal	Molecular Pathology + Cyto Genetic	428				Bld/Tiss
1976	36913-2	FMR1 gene mutation analysis in Blood or Tissue by Molecular genetics method Narrative	Molecular Pathology + Cyto Genetic	1531				Bld/Tiss
1977	21760-4	FRAXE gene CGG repeats [Presence] in Blood or Tissue by Molecular genetics method	Molecular Pathology + Cyto Genetic	1557				Bld/Tiss
1978	32632-2	HEXA gene mutations found [Identifier] in Blood or Tissue by Molecular genetics method Nominal	Molecular Pathology + Cyto Genetic	1739				Bld/Tiss
1979	34519-9	HFE gene mutation analysis in Blood or Tissue by Molecular genetics method Narrative	Molecular Pathology + Cyto Genetic	1375				Bld/Tiss
1980	21695-2	HFE gene p.C282Y [Presence] in Blood or Tissue by Molecular genetics method	Molecular Pathology + Cyto Genetic	1479				Bld/Tiss
1981	22070-7	HP gene mutations found [Identifier] in Blood or Tissue by Molecular genetics method Nominal	Molecular Pathology + Cyto Genetic	1878				Bld/Tiss
1982	43399-5	JAK2 gene p.V617F [Presence] in Blood or Tissue by Molecular genetics method	Molecular Pathology + Cyto Genetic	1692				Bld/Tiss
1983	29770-5	Karyotype [Identifier] in Blood or Tissue Nominal	Molecular Pathology + Cyto Genetic	790				Bld/Tiss
1984	38415-6	MTHFR gene mutation analysis in Blood or Tissue by Molecular genetics method Narrative	Molecular Pathology + Cyto Genetic	1347				Bld/Tiss
1985	21709-1	MTHFR gene mutations found [Identifier] in Blood or Tissue by Molecular genetics method Nominal	Molecular Pathology + Cyto Genetic	1341				Bld/Tiss
1986	28005-7	MTHFR gene p.C677T [Presence] in Blood or Tissue by Molecular genetics method	Molecular Pathology + Cyto Genetic	972				Bld/Tiss
1987	21821-4	t(9,22)(ABL1,BCR) Translocation [Presence] in Blood or Tissue by Molecular genetics method	Molecular Pathology + Cyto Genetic	1776				Bld/Tiss
1988	36922-3	TPMT gene mutation analysis in Blood or Tissue by Molecular genetics method Narrative	Molecular Pathology + Cyto Genetic	1635				Bld/Tiss

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1	LOINC #	Long Common Name	Class Override	Rank	Example UCUM	Example UCUM Display	Comments	System Adjusted
1989	33893-9	Karyotype [Identifier] in Bone marrow Nominal	Molecular Pathology + Cyto Genetic	1777				Bone mar
1990	Prenatal Chemistry Screening							
1991	Prenatal screening includes a spectrum of tests and observations, including: 1) The risk of trisomy 21 (three copies of chromosome 21), which causes Down syndrome 2) The risk of trisomy 18 (three copies of chromosome 18), which causes Edward's syndrome, and 3) Neural tube defects in the fetus of a pregnant women. The set of tests employed in a given laboratory and the number of questions used may vary. The Top 2000+ includes prenatal screening tests that cover most prenatal test panels. One component of this testing is a measure of the nuchal translucency obtained via obstetrical ultrasound, which is reported along with the chemical tests. The introduction of genetic tests has revolutionized prenatal screening (see new "Prenatal Genetic Screening" section below). Trisomies and a few other fetal abnormalities can now be diagnosed based on maternal cell-free DNA with very high specificity and sensitivity. Fetal DNA makes up an important fraction of the cell-free DNA in maternal circulation and these tests can identify abnormalities in that fraction.							
1992	33069-6	Fetal Neck.soft tissue Translucency width US	Chem-Prenatal Screen	48		mm	Should be measured at 12-14 weeks (ideally 12 weeks). Normal is <2.5 mm.	^Fetus
1993	49588-7	First trimester maternal screen with nuchal translucency [interpretation] Narrative	Chem-Prenatal Screen	1785				^Fetus
1994	18185-9	Gestational age	Chem-Prenatal Screen	564	wk	wk	This term is preferred over the two separate terms for gestational age in weeks [LOINC: 49051-6] and in days [LOINC: 49052-4] so that only one variable is used.	^Fetus
1995	11884-4	Gestational age Estimated	Chem-Prenatal Screen	1500	wk	wk		^Fetus
1996	49051-6	Gestational age in weeks	Chem-Prenatal Screen	1162	wk	wk		^Fetus
1997	21299-3	Gestational age method	Chem-Prenatal Screen	544				^Fetus
1998	48803-1	Neural tube defect risk in Fetus	Chem-Prenatal Screen	539	%	%		^Fetus
1999	47223-3	Trisomy 18 risk based on maternal age in Fetus	Chem-Prenatal Screen	700	{risk}	risk		^Fetus
2000	43994-3	Trisomy 18 risk in Fetus	Chem-Prenatal Screen	666	{risk}	risk		^Fetus
2001	49090-4	Trisomy 21 risk based on maternal age in Fetus	Chem-Prenatal Screen	630	{risk}	risk		^Fetus
2002	43995-0	Trisomy 21 risk in Fetus	Chem-Prenatal Screen	672	{risk}	risk		^Fetus

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2003	43993-5	Age at delivery	Chem-Prenatal Screen	1725	a	a		^Mother
2004	1834-1	Alpha-1-Fetoprotein [Mass/volume] in Serum or Plasma	Chem-Prenatal Screen	386	ng/mL	ng/mL		^Mother
2005	23811-3	Alpha-1-Fetoprotein [Multiple of the median] adjusted in Serum or Plasma	Chem-Prenatal Screen	609	{MoM}	MoM		^Mother
2006	20450-3	Alpha-1-Fetoprotein [Multiple of the median] in Serum or Plasma	Chem-Prenatal Screen	1109	{MoM}	MoM		^Mother
2007	41274-2	Alpha-1-Fetoprotein interpretation [interpretation] in Serum or Plasma	Chem-Prenatal Screen	1053				^Mother
2008	32166-1	Choriogonadotropin [Multiple of the median] adjusted in Serum or Plasma	Chem-Prenatal Screen	735	{MoM}	MoM		^Mother
2009	20465-1	Choriogonadotropin [Multiple of the median] in Serum or Plasma	Chem-Prenatal Screen	1178	{MoM}	MoM		^Mother
2010	23841-0	Choriogonadotropin.beta subunit [Multiple of the median] adjusted in Serum or Plasma	Chem-Prenatal Screen	1298	{MoM}	MoM		^Mother
2011	11778-8	Delivery date Estimated	Chem-Prenatal Screen	1412	N/A	N/A		^Mother
2012	33248-6	Diabetes status [Identifier]	Chem-Prenatal Screen	1005				^Mother
2013	2251-7	Estriol (E3) [Mass/volume] in Serum or Plasma	Chem-Prenatal Screen	1565	ng/mL	ng/mL		^Mother
2014	2250-9	Estriol (E3).unconjugated [Mass/volume] in Serum or Plasma	Chem-Prenatal Screen	628	ng/mL	ng/mL		^Mother
2015	21264-7	Estriol (E3).unconjugated [Multiple of the median] adjusted in Serum or Plasma	Chem-Prenatal Screen	684	{MoM}	MoM		^Mother
2016	20466-9	Estriol (E3).unconjugated [Multiple of the median] in Serum or Plasma	Chem-Prenatal Screen	1179	{MoM}	MoM		^Mother
2017	49053-2	History of neural tube defect Narrative	Chem-Prenatal Screen	1009				^Mother
2018	23883-2	Inhibin A [Mass/volume] in Serum	Chem-Prenatal Screen	702	pg/L	pg/L	Used in some prenatal screening for Down syndrome. Also is a tumor marker for ovarian cancer.	^Mother
2019	36904-1	Inhibin A [Multiple of the median] adjusted in Serum	Chem-Prenatal Screen	727	{MoM}	MoM		^Mother
2020	44877-9	Insulin dependent diabetes mellitus [Presence]	Chem-Prenatal Screen	622				^Mother
2021	21484-1	Mother's race	Chem-Prenatal Screen	522				^Mother
2022	45371-2	Multiple pregancy	Chem-Prenatal Screen	729				^Mother

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1	LOINC #	Long Common Name	Class Override	Rank	Example UCUM	Example UCUM Display	Comments	System Adjusted
2023	11878-6	Number of fetuses by US	Chem-Prenatal Screen	1060	{#}	#		^Mother
2024	32046-5	Pregnancy associated plasma protein A (PAPPA) [Units/volume] in Serum or Plasma	Chem-Prenatal Screen	767	mU/L	mU/L	Also called PAPPA	^Mother
2025	49092-0	Second trimester quad maternal screen [interpretation] in Serum or Plasma Narrative	Chem-Prenatal Screen	644				^Mother
2026	49572-1	Second trimester triple maternal screen [interpretation] in Serum or Plasma Narrative	Chem-Prenatal Screen	1554				^Mother
2027	49838-6	Neural tube defect risk in population	Chem-Prenatal Screen	1942	{risk}	risk		^Population
2028	19171-8	Alpha-1-Fetoprotein [Units/volume] in Amniotic fluid	Chem-Prenatal Screen	1501	[IU]/mL	IU/mL		Amnio fld
2029	**Prenatal Genetic Screening**							
2030	Noninvasive prenatal testing for risk of fetal aneuploidy (e.g. trisomy 21, XXY, etc.) is performed using maternal plasma (or serum) which contains circulating cell free (ccf) DNA from the fetus. The probability and result interpretation (high risk/low risk) of aneuploidy are based on dosage of ccf DNA from the mother and fetus as well as the mother's current age and gestational age. The ccf DNA includes both fetal and maternal DNA. These are now widely-used tests so we are including them, but ranks are not based on empirical data from original data sources so we used 3000 as the rank value placeholder. Here we only list the panels that represent the different cell-free DNA tests. Please check RELMA for the individual tests and LOINC codes associated with each.							
2031	77018-0	Noninvasive prenatal fetal 13 and 18 and 21 aneuploidy panel - Plasma cell-free DNA by Sequencing		3000				Plas.cfDNA
2032	77019-8	Noninvasive prenatal fetal 18 and 21 aneuploidy panel - Plasma cell-free DNA by Sequencing		3000				Plas.cfDNA
2033	73967-2	Noninvasive prenatal fetal aneuploidy test panel - Plasma cell-free DNA		3000				Plas.cfDNA
2034	75547-0	Noninvasive prenatal fetal aneuploidy and microdeletion panel based on Plasma cell-free+WBC DNA by Dosage of chromosome-specific circulating cell free (ccf) DNA		3000				WBC.DNA+Plas.cfDNA
2035	**Sero**							
2036	20427-1	Acetylcholine receptor Ab [Moles/volume] in Serum	Sero	1543	nmol/L	nmol/L		Ser
2037	11034-6	Acetylcholine receptor binding Ab [Moles/volume] in Serum	Sero	1816	nmol/L	nmol/L		Ser
2038	30192-9	Acetylcholine receptor modulation Ab/Acetylcholine Ab.total in Serum	Sero	1944	%	%		Ser
2039	34661-9	Actin IgG Ab [Units/volume] in Serum or Plasma	Sero	1052	[arb'U]/mL	arb'U/mL		Ser
2040	21108-6	Beta 2 glycoprotein 1 IgA Ab [Units/volume] in Serum	Sero	1220	U/mL	U/mL		Ser
2041	44447-1	Beta 2 glycoprotein 1 IgA Ab [Units/volume] in Serum by Immunoassay	Sero	1221	U/mL	U/mL		Ser
2042	16135-6	Beta 2 glycoprotein 1 IgG Ab [Units/volume] in Serum	Sero	1151				Ser
2043	44448-9	Beta 2 glycoprotein 1 IgG Ab [Units/volume] in Serum by Immunoassay	Sero	1152				Ser
2044	16136-4	Beta 2 glycoprotein 1 IgM Ab [Units/volume] in Serum	Sero	1137				Ser

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2045	44449-7	Beta 2 glycoprotein 1 IgM Ab [Units/volume] in Serum by Immunoassay	Sero	1138				Ser
2046	53982-5	Centromere protein B Ab [Units/volume] in Serum	Sero	985				Ser
2047	51775-5	Chromatin Ab [Units/volume] in Serum or Plasma	Sero	986	[arb'U]	arb'U		Ser
2048	32218-0	Cyclic citrullinated peptide Ab [Units/volume] in Serum by Immunoassay	Sero	1131				Ser
2049	33935-8	Cyclic citrullinated peptide IgG Ab [Units/volume] in Serum	Sero	510				Ser
2050	11013-0	DNA double strand Ab [Titer] in Serum	Sero	1433	{titer}	titer		Ser
2051	5130-0	DNA double strand Ab [Units/volume] in Serum	Sero	400	[IU]/mL	IU/mL		Ser
2052	14708-2	Endomysium Ab [Titer] in Serum	Sero	1279	{titer}	titer		Ser
2053	10362-2	Endomysium IgA Ab [Presence] in Serum	Sero	547				Ser
2054	10863-9	Endomysium IgA Ab [Titer] in Serum	Sero	1349	{titer}	titer		Ser
2055	27038-9	Endomysium IgA Ab [Titer] in Serum by Immunofluorescence	Sero	976	{titer}	titer		Ser
2056	7893-1	Gliadin Ab [Units/volume] in Serum	Sero	1663			Distinguish this from gliadin peptide, also called deamidated gliadin, which has a different LOINC code.	Ser
2057	6924-5	Gliadin IgA Ab [Units/volume] in Serum	Sero	878			Distinguish this from gliadin peptide, also called deamidated gliadin, which has a different LOINC code.	Ser
2058	20495-8	Gliadin IgA Ab [Units/volume] in Serum by Immunoassay	Sero	694			Distinguish this from gliadin peptide, also called deamidated gliadin, which has a different LOINC code.	Ser
2059	5170-6	Gliadin IgG Ab [Units/volume] in Serum	Sero	1637			Distinguish this from gliadin peptide, also called deamidated gliadin, which has a different LOINC code.	Ser
2060	20496-6	Gliadin IgG Ab [Units/volume] in Serum by Immunoassay	Sero	653			Distinguish this from gliadin peptide, also called deamidated gliadin, which has a different LOINC code.	Ser
2061	13926-1	Glutamate decarboxylase 65 Ab [Units/volume] in Serum	Sero	1275	{index}	index		Ser
2062	8072-1	Insulin Ab [Units/volume] in Serum	Sero	1867	[arb'U]/mL	arb'U/mL		Ser
2063	31209-0	Islet cell 512 Ab [Units/volume] in Serum	Sero	1918	{index}	index		Ser
2064	5234-0	Jo-1 extractable nuclear Ab [Presence] in Serum by Immunoassay	Sero	1780				Ser
2065	11565-9	Jo-1 extractable nuclear Ab [Units/volume] in Serum	Sero	995	{index}	index		Ser
2066	32220-6	Liver kidney microsomal 1 Ab [Units/volume] in Serum	Sero	1880	{index}	index		Ser
2067	17284-1	Mitochondria Ab [Presence] in Serum by Immunofluorescence	Sero	1422				Ser
2068	5247-2	Mitochondria Ab [Titer] in Serum by Immunofluorescence	Sero	967	{titer}	titer		Ser
2069	14251-3	Mitochondria M2 IgG Ab [Units/volume] in Serum	Sero	1644				Ser
2070	6969-0	Myeloperoxidase Ab [Units/volume] in Serum	Sero	1036	{index}	index		Ser
2071	46266-3	Myeloperoxidase Ab [Units/volume] in Serum by Immunoassay	Sero	1132	{index}	index		Ser
2072	21023-7	Neutrophil cytoplasmic Ab [Titer] in Serum	Sero	1456	{titer}	titer		Ser

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2073	29641-8	Neutrophil Cytoplasmic Ab atypical [Presence] in Serum by Immunofluorescence	Sero	958				Ser
2074	14277-8	Neutrophil cytoplasmic Ab.classic [Titer] in Serum by Immunofluorescence	Sero	1043	{titer}	titer		Ser
2075	32787-4	Neutrophil cytoplasmic Ab.perinuclear [Titer] in Serum	Sero	1463	{titer}	titer		Ser
2076	14278-6	Neutrophil cytoplasmic Ab.perinuclear [Titer] in Serum by Immunofluorescence	Sero	1044	{titer}	titer		Ser
2077	29967-7	Neutrophil cytoplasmic IgG Ab [Titer] in Serum by Immunofluorescence	Sero	770	{titer}	titer		Ser
2078	8061-4	Nuclear Ab [Presence] in Serum	Sero	208				Ser
2079	47383-5	Nuclear Ab [Presence] in Serum by Immunoassay	Sero	1546				Ser
2080	29953-7	Nuclear Ab [Titer] in Serum	Sero	890	{titer}	titer		Ser
2081	5048-4	Nuclear Ab [Titer] in Serum by Immunofluorescence	Sero	345	{titer}	titer		Ser
2082	27200-5	Nuclear Ab [Units/volume] in Serum	Sero	1987	[IU]/L	IU/L		Ser
2083	14611-8	Nuclear Ab pattern [interpretation] in Serum	Sero	343				Ser
2084	13068-2	Nuclear Ab pattern [interpretation] in Serum by Immunofluorescence	Sero	925				Ser
2085	20398-4	Nuclear Ab Pattern Homogenous [Titer] in Serum	Sero	1778	{titer}	titer		Ser
2086	20399-2	Nuclear Ab pattern.nucleolar [Titer] in Serum	Sero	513	{titer}	titer		Ser
2087	20401-6	Nuclear Ab pattern.speckled [Titer] in Serum	Sero	1869	{titer}	titer		Ser
2088	8087-9	Parietal cell Ab [Units/volume] in Serum	Sero	1757	{index}	index		Ser
2089	6968-2	Proteinase 3 Ab [Units/volume] in Serum	Sero	1027	{index}	index		Ser
2090	46267-1	Proteinase 3 Ab [Units/volume] in Serum by Immunoassay	Sero	1144	{index}	index		Ser
2091	33910-1	Rheumatoid factor [Presence] in Serum	Sero	981				Ser
2092	5297-7	Rheumatoid factor [Presence] in Serum by Latex agglutination	Sero	1192				Ser
2093	11572-5	Rheumatoid factor [Units/volume] in Serum	Sero	251	[IU]/mL	IU/mL		Ser
2094	15205-8	Rheumatoid factor [Units/volume] in Serum by Nephlometry	Sero	789				Ser
2095	8091-1	Ribonucleoprotein extractable nuclear Ab [Presence] in Serum	Sero	1148				Ser
2096	5301-7	Ribonucleoprotein extractable nuclear Ab [Presence] in Serum by Immunoassay	Sero	1193				Ser
2097	29374-6	Ribonucleoprotein extractable nuclear Ab [Units/volume] in Serum	Sero	590				Ser
2098	51928-0	Ribonucleoprotein extractable nuclear Ab [Units/volume] in Serum by Immunoassay	Sero	2014				Ser
2099	5348-8	SCL-70 extractable nuclear Ab [Presence] in Serum by Immunoassay	Sero	1171				Ser
2100	27416-7	SCL-70 extractable nuclear Ab [Units/volume] in Serum	Sero	823	{index}	index		Ser
2101	5352-0	Sjogrens syndrome-A extractable nuclear Ab [Presence] in Serum by Immune diffusion (ID)	Sero	1263				Ser
2102	5351-2	Sjogrens syndrome-A extractable nuclear Ab [Presence] in Serum by Immunoassay	Sero	818				Ser
2103	17792-3	Sjogrens syndrome-A extractable nuclear Ab [Units/volume] in Serum	Sero	567	{index}	index		Ser

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2104	33569-5	Sjogrens syndrome-A extractable nuclear Ab [Units/volume] in Serum by Immunoassay	Sero	2015				Ser
2105	5354-6	Sjogrens syndrome-B extractable nuclear Ab [Presence] in Serum by Immune diffusion (ID)	Sero	1258				Ser
2106	5353-8	Sjogrens syndrome-B extractable nuclear Ab [Presence] in Serum by Immunoassay	Sero	821				Ser
2107	17791-5	Sjogrens syndrome-B extractable nuclear Ab [Units/volume] in Serum	Sero	569	{index}	index		Ser
2108	45142-7	Sjogrens syndrome-B extractable nuclear Ab [Units/volume] in Serum by Immunoassay	Sero	2016				Ser
2109	5357-9	Smith extractable nuclear Ab [Presence] in Serum by Immune diffusion (ID)	Sero	1469				Ser
2110	5356-1	Smith extractable nuclear Ab [Presence] in Serum by Immunoassay	Sero	1190				Ser
2111	11090-8	Smith extractable nuclear Ab [Units/volume] in Serum	Sero	560	{index}	index		Ser
2112	43182-5	Smith extractable nuclear Ab [Units/volume] in Serum by Immunoassay	Sero	2017				Ser
2113	14252-1	Smooth muscle Ab [Presence] in Serum	Sero	1219				Ser
2114	8095-2	Smooth muscle Ab [Titer] in Serum	Sero	1239	{titer}	titer		Ser
2115	5358-7	Smooth muscle Ab [Titer] in Serum by Immunofluorescence	Sero	861	{titer}	titer		Ser
2116	15210-8	Thyroglobulin Ab [Presence] in Serum	Sero	951				Ser
2117	5381-9	Thyroglobulin Ab [Titer] in Serum by Latex agglutination	Sero	1657	{titer}	titer		Ser
2118	8098-6	Thyroglobulin Ab [Units/volume] in Serum or Plasma	Sero	416	[IU]/mL	IU/mL		Ser
2119	32786-6	Thyroperoxidase Ab [Titer] in Serum or Plasma	Sero	1613	{titer}	titer		Ser
2120	8099-4	Thyroperoxidase Ab [Units/volume] in Serum or Plasma	Sero	344	[IU]/mL	IU/mL		Ser
2121	31017-7	Tissue transglutaminase IgA Ab [Units/volume] in Serum	Sero	384	{index}	index		Ser
2122	46128-5	Tissue transglutaminase IgA Ab [Units/volume] in Serum by Immunoassay	Sero	1948				Ser
2123	32998-7	Tissue transglutaminase IgG Ab [Units/volume] in Serum	Sero	529	{index}	index		Ser
2124	56537-4	Tissue transglutaminase IgG Ab [Units/volume] in Serum by Immunoassay	Sero	530				Ser
2125	Specimen							
2126	19803-6	Specimen site	Specimen	1477				*
2127	20506-2	Specimen drawn from	Specimen	636				^Patient
2128	31208-2	Specimen source [Identifier] of Unspecified specimen	Chem	264				XXX
2129	14725-6	[Type] of Body fluid	Specimen	543				Body fld
2130	9335-1	Appearance of Body fluid	Specimen	591				Body fld
2131	6824-7	Color of Body fluid	Specimen	352				Body fld
2132	20513-8	Turbidity [Presence] of Body fluid	Specimen	852				Body fld
2133	10333-3	Appearance of Cerebral spinal fluid	Specimen	642				CSF
2134	11135-1	Appearance of Spun Cerebral spinal fluid	Specimen	912				CSF
2135	10335-8	Color of Cerebral spinal fluid	Specimen	489				CSF
2136	19157-7	Tube number of Cerebral spinal fluid	Specimen	592				CSF

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2137	20512-0	Turbidity [Presence] of Cerebral spinal fluid	Specimen	755				CSF
2138	17607-3	Volume of Cerebral spinal fluid	Specimen	1363	mL	mL		CSF
2139	13532-7	Xanthochromia [Presence] of Cerebral spinal fluid	Specimen	639				CSF
2140	38527-8	Number of specimens received of Stool	Specimen	869	{#}	#		Stool
2141	38526-0	Number of specimens tested of Stool	Specimen	713	{#}	#		Stool
2142	33247-8	Weight of Sweat	Specimen	1175	mg	mg		Sweat
2143	14664-7	Color of Synovial fluid	Specimen	1416				Synv fld
2144	48053-3	Turbidity [Presence] of Synovial fluid	Specimen	1525				Synv fld
2145	5767-9	Appearance of Urine	Specimen	66				Urine
2146	19244-3	Character of Urine	Specimen	272				Urine
2147	32167-9	Clarity of Urine	Specimen	1066				Urine
2148	5778-6	Color of Urine	Specimen	58				Urine
2149	49049-0	Collection time of Unspecified specimen	Specimen	541	{clock_time}	clock_time		XXX
2150	Surg Path							
2151	33719-6	Flow cytometry study	Surg Path	1054				Bld
2152	21026-0	Pathologist interpretation of Blood tests	Surg Path	631				Bld
2153	33721-2	Bone marrow Pathology biopsy report	Surg Path	1159				Bone mar
2154	21024-5	Pathologist interpretation of Cerebral spinal fluid tests	Surg Path	1010				CSF
2155	19139-5	Pathologist name	Surg Path	269				Surg Path
2156	65757-7	Pathology biopsy report in Kidney Narrative	Surg Path	1790				Surg Path
2157	65752-8	Pathology biopsy report in Liver Narrative	Surg Path	1791				Surg Path
2158	65751-0	Pathology biopsy report in Muscle Narrative	Surg Path	1792				Surg Path
2159	65754-4	Pathology biopsy report in Skin Narrative	Surg Path	1793				Surg Path
2160	22638-1	Pathology report comments	Surg Path	96				Surg Path
2161	22637-3	Pathology report final diagnosis	Surg Path	51				Surg Path
2162	34574-4	Pathology report final diagnosis	Surg Path	775				Surg Path
2163	22634-0	Pathology report gross observation	Surg Path	248				Surg Path
2164	22635-7	Pathology report microscopic observation Other stain	Surg Path	282				Surg Path
2165	22636-5	Pathology report relevant history	Surg Path	88				Surg Path
2166	22633-2	Pathology report site of origin	Surg Path	262				Surg Path
2167	22639-9	Pathology report supplemental reports	Surg Path	98				Surg Path
2168	48038-4	Pathologist interpretation of Synovial fluid tests	Surg Path	1544				Synv fld
2169	10459-6	Alpha-1-Fetoprotein Ag [Presence] in Tissue by Immune stain	Surg Path	690				Tiss
2170	18743-5	Autopsy report	Surg Path	1939				
2171	33720-4	Blood bank consult	Surg Path	1118				
2172	11529-5	Surgical pathology study	Surg Path	209				
2173	Survey RFC							
2174	46640-9	Secondary diagnosis RFC	Survey RFC	686				^Patient
2175	UA							

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2176	8246-1	Amorphous sediment [Presence] in Urine sediment by Light microscopy	UA	433				Urine sed
2177	5769-5	Bacteria [#/area] in Urine sediment by Microscopy high power field	UA	89	{#}/[HPF]	#/HPF		Urine sed
2178	25145-4	Bacteria [Presence] in Urine sediment by Light microscopy	UA	514				Urine sed
2179	25156-1	Eosinophils [Presence] in Urine sediment by Light microscopy	UA	1195				Urine sed
2180	20457-8	Fungi.filamentous [Presence] in Urine sediment by Light microscopy	UA	1993				Urine sed
2181	5791-9	Fungi.yeastlike [#/area] in Urine sediment by Microscopy high power field	UA	1114	{#}/[HPF]	#/HPF		Urine sed
2182	20456-0	Fungi.yeastlike [Presence] in Urine sediment by Light microscopy	UA	1955			This would usually be reported per HPF, which should be mapped to [LOINC: 5791-9].	Urine sed
2183	12235-8	Microscopic observation [Identifier] in Urine sediment by Light microscopy	UA	339				Urine sed
2184	28545-2	Mucus [#/area] in Urine sediment by Microscopy low power field	UA	1376	{#}/[HPF]	#/HPF		Urine sed
2185	8247-9	Mucus [Presence] in Urine sediment by Light microscopy	UA	128				Urine sed
2186	8248-7	Spermatozoa [Presence] in Urine sediment by Light microscopy	UA	696				Urine sed
2187	33905-1	Trichomonas sp [#/area] in Urine sediment by Microscopy high power field	UA	2001	{#}/[HPF]	#/HPF		Urine sed
2188	5813-1	Trichomonas vaginalis [Presence] in Urine sediment by Light microscopy	UA	716				Urine sed
2189	11279-7	Urine sediment comments by Light microscopy Narrative	UA	179				Urine sed
2190	5822-2	Yeast [#/area] in Urine sediment by Microscopy high power field	UA	643	{#}/[HPF]	#/HPF		Urine sed
2191	32356-8	Yeast [Presence] in Urine sediment by Light microscopy	UA	304				Urine sed
2192	21033-6	Yeast.budding [Presence] in Urine sediment	UA	897				Urine sed
2193	UA-Micro Casts							
2194	18487-9	Broad casts [#/area] in Urine sediment by Microscopy low power field	UA-Micro Casts	1990	{#}/[HPF]	#/HPF		Urine sed
2195	9439-1	Casts [#/area] in Urine sediment by Microscopy high power field	UA-Micro Casts	864	{#}/[HPF]	#/HPF		Urine sed
2196	9842-6	Casts [#/area] in Urine sediment by Microscopy low power field	UA-Micro Casts	294	{#}/[HPF]	#/HPF		Urine sed
2197	33393-0	Coarse Granular Casts [#/area] in Urine sediment by Microscopy low power field	UA-Micro Casts	1236	{#}/[HPF]	#/HPF		Urine sed
2198	5786-9	Epithelial casts [#/area] in Urine sediment by Microscopy low power field	UA-Micro Casts	1969	{#}/[HPF]	#/HPF		Urine sed
2199	25157-9	Epithelial casts [Presence] in Urine sediment by Light microscopy	UA-Micro Casts	1357				Urine sed
2200	5789-3	Fatty casts [#/area] in Urine sediment by Microscopy low power field	UA-Micro Casts	1976	{#}/[HPF]	#/HPF		Urine sed
2201	32680-1	Fine Granular Casts [#/area] in Urine sediment by Microscopy low power field	UA-Micro Casts	1282	{#}/[HPF]	#/HPF		Urine sed
2202	5793-5	Granular casts [#/area] in Urine sediment by Microscopy low power field	UA-Micro Casts	691	{#}/[HPF]	#/HPF		Urine sed
2203	25160-3	Granular casts [Presence] in Urine sediment by Light microscopy	UA-Micro Casts	649				Urine sed
2204	5796-8	Hyaline casts [#/area] in Urine sediment by Microscopy low power field	UA-Micro Casts	238	{#}/[HPF]	#/HPF		Urine sed

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2205	25162-9	Hyaline casts [Presence] in Urine sediment by Light microscopy	UA-Micro Casts	191				Urine sed
2206	38995-7	Mixed cellular casts [#/area] in Urine sediment by Microscopy low power field	UA-Micro Casts	1959	{#}/[HPF]	#/HPF		Urine sed
2207	25158-7	Oval fat bodies (globules) [Presence] in Urine sediment by Light microscopy	UA-Micro Casts	1989				Urine sed
2208	5807-3	RBC casts [#/area] in Urine sediment by Microscopy low power field	UA-Micro Casts	1958	{#}/[HPF]	#/HPF		Urine sed
2209	33804-6	RBC casts [Presence] in Urine sediment by Light microscopy	UA-Micro Casts	650				Urine sed
2210	5819-8	Waxy casts [#/area] in Urine sediment by Microscopy low power field	UA-Micro Casts	1957	{#}/[HPF]	#/HPF		Urine sed
2211	5820-6	WBC casts [#/area] in Urine sediment by Microscopy low power field	UA-Micro Casts	1438	{#}/[HPF]	#/HPF		Urine sed
2212	UA-Micro Cells							
2213	798-9	Erythrocytes [#/volume] in Urine by Automated count	UA-Micro Cells	246	{#}/mL	#/mL		Urine
2214	33051-4	Erythrocytes [Presence] in Urine	UA-Micro Cells	287				Urine
2215	33242-9	Fungi.filamentous [Presence] in Urine by Computer assisted method	UA-Micro Cells	1551				Urine
2216	33768-3	Leukocyte clumps [#/volume] in Urine by Automated count	UA-Micro Cells	608	{#}/uL	#/uL		Urine
2217	30405-5	Leukocytes [#/volume] in Urine	UA-Micro Cells	201	{#}/uL	#/uL		Urine
2218	38996-5	Neutrophils [Presence] in Urine by Light microscopy	UA-Micro Cells	1515				Urine
2219	5785-1	Eosinophils [#/area] in Urine sediment by Microscopy high power field	UA-Micro Cells	1255	{#}/[HPF]	#/HPF		Urine sed
2220	49839-4	Eosinophils [Presence] in Urine sediment by Wright stain	UA-Micro Cells	1527				Urine sed
2221	12210-1	Eosinophils/100 leukocytes in Urine sediment by Manual count	UA-Micro Cells	1640	%	%		Urine sed
2222	5787-7	Epithelial cells [#/area] in Urine sediment by Microscopy high power field	UA-Micro Cells	166	{#}/[HPF]	#/HPF		Urine sed
2223	20453-7	Epithelial cells [Presence] in Urine sediment by Light microscopy	UA-Micro Cells	151				Urine sed
2224	26052-1	Epithelial cells.renal [#/area] in Urine sediment by Microscopy high power field	UA-Micro Cells	605	{#}/[HPF]	#/HPF		Urine sed
2225	12248-1	Epithelial cells.renal [Presence] in Urine sediment by Light microscopy	UA-Micro Cells	721				Urine sed
2226	11277-1	Epithelial cells.squamous [#/area] in Urine sediment by Microscopy high power field	UA-Micro Cells	148	{#}/[HPF]	#/HPF		Urine sed
2227	12258-0	Epithelial cells.squamous [Presence] in Urine sediment by Microscopy high power field	UA-Micro Cells	261				Urine sed
2228	13945-1	Erythrocytes [#/area] in Urine sediment by Microscopy high power field	UA-Micro Cells	100	{#}/[HPF]	#/HPF		Urine sed
2229	5808-1	Erythrocytes [#/volume] in Urine sediment by Microscopy high power field	UA-Micro Cells	155	{#}/[HPF]	#/HPF		Urine sed
2230	46420-6	Leukocyte clumps [#/area] in Urine sediment by Microscopy high power field	UA-Micro Cells	1021	{#}/[HPF]	#/HPF		Urine sed
2231	5821-4	Leukocytes [#/area] in Urine sediment by Microscopy high power field	UA-Micro Cells	79	{#}/[HPF]	#/HPF		Urine sed

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1	LOINC #	Long Common Name	Class Override	Rank	Example UCUM	Example UCUM Display	Comments	System Adjusted
2232	20455-2	Leukocytes [Presence] in Urine sediment by Light microscopy	UA-Micro Cells	2000				Urine sed
2233	5788-5	Oval fat bodies (globules) [#/area] in Urine sediment by Microscopy high power field	UA-Micro Cells	1964	{#}/[HPF]	#/HPF		Urine sed
2234	30089-7	Transitional cells [#/area] in Urine sediment by Microscopy high power field	UA-Micro Cells	491	{#}/[HPF]	#/HPF		Urine sed
2235	8249-5	Transitional cells [Presence] in Urine sediment by Light microscopy	UA-Micro Cells	1317				Urine sed
2236	11276-3	Tubular cells [Presence] in Urine sediment by Light microscopy	UA-Micro Cells	956				Urine sed
2237	UA-Micro Crys							
2238	5766-1	Ammonium urate crystals [Presence] in Urine sediment by Light microscopy	UA-Micro Crys	1985				Urine sed
2239	5771-1	Bilirubin crystals [Presence] in Urine sediment by Light microscopy	UA-Micro Crys	1995				Urine sed
2240	25147-0	Calcium carbonate crystals [#/area] in Urine sediment by Microscopy high power field	UA-Micro Crys	1996	{#}/[HPF]	#/HPF		Urine sed
2241	5773-7	Calcium carbonate crystals [Presence] in Urine sediment by Light microscopy	UA-Micro Crys	1977				Urine sed
2242	25148-8	Calcium oxalate crystals [#/area] in Urine sediment by Microscopy high power field	UA-Micro Crys	1821	{#}/[HPF]	#/HPF		Urine sed
2243	5774-5	Calcium oxalate crystals [Presence] in Urine sediment by Light microscopy	UA-Micro Crys	679				Urine sed
2244	25149-6	Calcium phosphate crystals [#/area] in Urine sediment by Microscopy high power field	UA-Micro Crys	1988	{#}/[HPF]	#/HPF		Urine sed
2245	5775-2	Calcium phosphate crystals [Presence] in Urine sediment by Light microscopy	UA-Micro Crys	1975				Urine sed
2246	5776-0	Calcium sulfate crystals [Presence] in Urine sediment by Light microscopy	UA-Micro Crys	2005				Urine sed
2247	5777-8	Cholesterol crystals [Presence] in Urine sediment by Light microscopy	UA-Micro Crys	1999				Urine sed
2248	5782-8	Crystals [type] in Urine sediment by Light microscopy	UA-Micro Crys	158				Urine sed
2249	5784-4	Cystine crystals [Presence] in Urine sediment by Light microscopy	UA-Micro Crys	1974				Urine sed
2250	5795-0	Hippurate crystals [Presence] in Urine sediment by Light microscopy	UA-Micro Crys	2003				Urine sed
2251	5798-4	Leucine crystals [Presence] in Urine sediment by Light microscopy	UA-Micro Crys	1982				Urine sed
2252	5812-3	Sulfonamide crystals [Presence] in Urine sediment by Light microscopy	UA-Micro Crys	1994				Urine sed
2253	5814-9	Triple phosphate crystals [Presence] in Urine sediment by Light microscopy	UA-Micro Crys	1596				Urine sed
2254	5815-6	Tyrosine crystals [Presence] in Urine sediment by Light microscopy	UA-Micro Crys	1984				Urine sed
2255	25154-6	Unidentified crystals [#/area] in Urine sediment by Microscopy high power field	UA-Micro Crys	1962	{#}/[HPF]	#/HPF		Urine sed
2256	5783-6	Unidentified crystals [Presence] in Urine sediment by Light microscopy	UA-Micro Crys	381				Urine sed

	B	C	E	F	G	H	I	P
1	LOINC #	Long Common Name	Class Override	Rank	Example UCUM	Example UCUM Display	Comments	System Adjusted
2257	46138-4	Urate crystals [#/area] in Urine sediment by Microscopy high power field	UA-Micro Crys	1960	{#}/[HPF]	#/HPF		Urine sed
2258	5817-2	Urate crystals [Presence] in Urine sediment by Light microscopy	UA-Micro Crys	1143				Urine sed
2259	12454-5	Urate crystals amorphous [Presence] in Urine sediment by Light	UA-Micro Crys	244				Urine sed
2260	UA-Test Strip							
2261	20505-4	Bilirubin [Mass/volume] in Urine by Test strip	UA-Test Strip	907	mg/dL	mg/dL		Urine
2262	5770-3	Bilirubin [Presence] in Urine by Test strip	UA-Test Strip	64				Urine
2263	20409-9	Erythrocytes [#/volume] in Urine by Test strip	UA-Test Strip	126	{#}/uL	#/uL		Urine
2264	5792-7	Glucose [Mass/volume] in Urine by Test strip	UA-Test Strip	73	mg/dL	mg/dL		Urine
2265	25428-4	Glucose [Presence] in Urine by Test strip	UA-Test Strip	309				Urine
2266	5794-3	Hemoglobin [Presence] in Urine by Test strip	UA-Test Strip	72				Urine
2267	5797-6	Ketones [Mass/volume] in Urine by Test strip	UA-Test Strip	80	mg/dL	mg/dL		Urine
2268	2514-8	Ketones [Presence] in Urine by Test strip	UA-Test Strip	102				Urine
2269	5799-2	Leukocyte esterase [Presence] in Urine by Test strip	UA-Test Strip	65				Urine
2270	20408-1	Leukocytes [#/volume] in Urine by Test strip	UA-Test Strip	162	{#}/uL	#/uL		Urine
2271	5802-4	Nitrite [Presence] in Urine by Test strip	UA-Test Strip	56				Urine
2272	5803-2	pH of Urine by Test strip	UA-Test Strip	59	[pH]	pH		Urine
2273	5804-0	Protein [Mass/volume] in Urine by Test strip	UA-Test Strip	74	mg/dL	mg/dL		Urine
2274	20454-5	Protein [Presence] in Urine by Test strip	UA-Test Strip	99				Urine
2275	32147-1	Reducing substances [Mass/volume] in Urine	UA-Test Strip	1748	mg/dL	mg/dL		Urine
2276	5809-9	Reducing substances [Presence] in Urine	UA-Test Strip	1206				Urine
2277	5811-5	Specific gravity of Urine by Test strip	UA-Test Strip	71				Urine
2278	20405-7	Urobilinogen [Mass/volume] in Urine by Test strip	UA-Test Strip	117	mg/dL	mg/dL		Urine
2279	5818-0	Urobilinogen [Presence] in Urine by Test strip	UA-Test Strip	134				Urine
2280	19161-9	Urobilinogen [Units/volume] in Urine by Test strip	UA-Test Strip	170	{Ehrilich 'U}/dL	Ehrilich 'U/dL	This ACnc term is intended for use when results reported as Ehrlich Units. But, 1 Ehrlich unit = 1 mg/dL in mass concentration. If reporting in mass concentration units, it would be better to use the MCnc Urobilinogen test strip [LOINC: 20405-7].	Urine
2281	Ventilator							
2282	19994-3	Oxygen/Inspired gas setting [Volume Fraction] Ventilator	Ventilator	457	%	%	Percent O2 delivered by ventilation	Ventilator
2283	20112-9	Tidal volume setting Ventilator	Ventilator	1453	mL	mL		Ventilator