

## LOINC CODES FOR LABORATORY DATA IN ENHANCED ADMINISTRATIVE DATABASE

Test #	Laboratory Test Name	Specimen Type	Units	LOINC Code	LOINC Name	Comments
1	Albumin	Serum / Plasma	g/dL	1751-7	Albumin SerPI-mCnc	
2	Alkaline Phosphatase	Serum / Plasma	U/L	6768-6	ALP SerPI-cCnc	
2A	Alkaline Phosphatase	Whole Blood	U/L	1783-0	ALP Bld-cCnc	
3	Amylase	Serum / Plasma	U/L	1798-8	Amylase SerPI-cCnc	
4	AST (SGOT)	Serum / Plasma	U/L	1920-8	AST SerPI-cCnc	
5	Base Units Deficit	Whole Blood	mEq/L	1922-4	Base Deficit BldA-sCnc	
5A	Base Units Excess	Whole Blood	mEq/L	1925-7	Base Excess BldA-sCnc	
6	Bicarbonate	Serum	mEq/L = mmol/L	1963-8	HCO3 Ser-sCnc	
6A	Bicarbonate	Plasma	mEq/L = mmol/L	1962-0	HCO3 Plas-sCnc	
6B	Bicarbonate	Arterial Whole Blood	mEq/L = mmol/L	1960-4	HCO3 BldA-sCnc	
6C	Bicarbonate	Whole Blood	mEq/L = mmol/L	1959-6	HCO3 Bld-sCnc	If Venous or Unspecified
7	Bilirubin Total	Serum / Plasma	mg/dL	1975-2	Bilirub SerPI-mCnc	
7A	Bilirubin Total	Serum / Plasma	umol/L	14631-6	Bilirub SerPI-sCnc	
8	Calcium	Serum / Plasma	mg/dL	17861-6	Calcium SerPI-mCnc	
8A	Calcium	Serum / Plasma	mEq/L, mmol/L	2000-8	Calcium SerPI-sCnc	
8B	Calcium	Whole Blood	mg/dL	49765-1	Calcium Bld-mCnc	
8C	Calcium	Whole Blood	mEq/L, mmol/L	1996-8	Calcium Bld-sCnc	
9	Creatine Kinase (CPK)	Serum / Plasma	U/L	2157-6	CK SerPI-cCnc	
10	Creatine Kinase MB	Serum / Plasma	ng/mL	13969-1	CK MB SerPI-mCnc	
10A	Creatine Kinase MB	Serum / Plasma	U/L	32673-6	CK MB SerPI-cCnc	
10B	Creatine Kinase MB	Whole Blood	ng/mL	49551-5	CK MB Bld-mCnc	
10C	Creatine Kinase MB	Whole Blood	ratio	50757-4	CK MB Bld-cCrto	
11	Creatinine Serum	Serum / Plasma	mg/dL	2160-0	Creat SerPI-mCnc	
11A	Creatinine Serum	Serum / Plasma	umol/L	14682-9	Creat SerPI-sCnc	
12	Glucose	Serum / Plasma	mg/dL	2345-7	Glucose SerPI-mCnc	Random Sample
12A	Glucose	Serum / Plasma	mmol/L	14749-6	Glucose SerPI-sCnc	Random Sample
12B	Glucose	Serum / Plasma	mg/dL	1558-6	Glucose p fast SerPI-mCnc	Fasting Value

Test #	Laboratory Test Name	Specimen Type	Units	LOINC Code	LOINC Name	Comments
12C	Glucose	Serum / Plasma	mmol/L	14771-0	Glucose p fast SerPI-sCnc	Fasting Value
12D	Glucose	Whole Blood	mg/dL	2339-0	Glucose Bld-mCnc	Random Sample
12E	Glucose	Whole Blood	mmol/L	15074-8	Glucose Bld-sCnc	Random Sample
12F	Glucose	Capillary Blood	mg/dL	32016-8	Glucose BldC-mCnc	Random Sample
12G	Glucose	Capillary Blood	mg/dL	1556-0	Glucose p fast BldC-mCnc	Fasting Value
13	Hemoglobin	Whole Blood	g/dL	718-7	Hgb Bld-mCnc	
13A	Hemoglobin	Capillary Blood	g/dL	30352-9	Hgb BldC-mCnc	
14	Inhaled oxygen	n/a	%	3150-0	Inhaled O2 % Qn	FIO2 Concurrent with pO2 & with O2 Sat
14A	Inhaled oxygen	n/a	L/min	3151-8	Inhaled O2 rate	O2 Rate Concurrent with pO2 & with O2 Sat
15	INR	Platelet Poor Plasma	ratio	6301-6	INR PPP Qn	
15A	Prothrombin Time	Platelet Poor Plasma	sec	5902-2	PT PPP Qn	
16	Lactate Dehydrogenase (LDH)	Serum / Plasma	U/L	2532-0	LDH SerPI-cCnc	
17	Partial Thromboplastin Time (PTT)	Platelet Poor Plasma	sec	14979-9	aPTT PPP Qn	
18	pCO2 Arterial	Arterial Blood	mmHg	2019-8	pCO2 BldA Qn	
19	pH Arterial	Arterial Blood	none	2744-1	pH BldA-sCnc	
20	Platelet Count	Whole Blood	10 <sup>9</sup> cells/uL	26515-7	Platelet # Bld	Specify Method When Available
20A	Platelet Count	Whole Blood	10 <sup>9</sup> cells/uL	778-1	Platelet # Bld Manual	
20B	Platelet Count	Whole Blood	10 <sup>9</sup> cells/uL	777-3	Platelet # Bld Auto	
21	pO2 Arterial	Arterial Blood	mmHg	2703-7	pO2 BldA Qn	With Concurrent FIO2 When Available
21A	O2 Saturation Arterial	Arterial Blood	%	2708-6	O2 % BldA	With Concurrent FIO2 When Available
22	Potassium	Serum / Plasma	mEq/L = mmol/L	2823-3	Potassium SerPI-sCnc	
22A	Potassium	Whole Blood	mEq/L = mmol/L	6298-4	Potassium Bld-sCnc	
23	Sodium	Serum / Plasma	mEq/L = mmol/L	2951-2	Sodium SerPI-sCnc	
23A	Sodium	Whole Blood	mEq/L = mmol/L	2947-0	Sodium Bld-sCnc	
24	Troponin I	Serum / Plasma	ng/ml = ug/L	10839-9	Troponin I SerPI-mCnc	



## Appendix O-3

Test #	Laboratory Test Name	Specimen Type	Units	LOINC Code	LOINC Name	Comments
25A	Troponin I	Whole Blood	ng/ml = ug/L	42757-5	Troponin I Bld-mCnc	
25	Urea Nitrogen Blood (BUN)	Serum / Plasma	mg/dL	3094-0	BUN SerPI-mCnc	
25A	Urea Nitrogen Blood (BUN)	Serum / Plasma	mmol/L	14937-7	BUN SerPI-sCnc	
26	White Blood Count	Whole Blood	10 <sup>9</sup> cells/uL	26464-8	WBC # Bld	Specify Method When Available
26A	White Blood Count	Whole Blood	10 <sup>9</sup> cells/uL	804-5	WBC # Bld Manual	
26B	White Blood Count	Whole Blood	10 <sup>9</sup> cells/uL	6690-2	WBC # Bld Auto	



## Appendix O-4

### RANGE CHECKS FOR LABORATORY DATA

Test Name	Absolute		Relative	
	Lower Bound	Upper Bound	Lower Bound	Upper Bound
AST (U/L)	n/a	20,000	n/a	2,000
Albumin (gm/dl)	0.5	12	1	6
Alk Phosphatase (U/L)	n/a	5,000	n/a	2,000
Amylase (U/L)	n/a	20,000	n/a	2,000
Bilirubin (total) [mg/dl]	n/a	80	n/a	40
BUN (mg/dl)	n/a	500	n/a	250
Calcium (mg/dl)	5	20	7	14
CPK (U/L)	n/a	50,000	n/a	5,000
CPK-MB (ng/ml)	n/a	5,000	n/a	500
Creatinine (mg/dl)	n/a	50	0.5	25
Glucose (mg/dl)	10	2,500	30	1,000
LDH (U/L)	n/a	10,000	n/a	2,000
Potassium (meq/L)	1	9	2	7
Sodium (meq/L)	100	200	110	175
Troponin I (ng/ml)	n/a	50	n/a	20
O <sub>2</sub> Saturation (%)	30%	100%	50%	100%
pCO <sub>2</sub> (mm Hg)	10	100	20	70
pH	6.70	7.90	7.10	7.70
pO <sub>2</sub> (mmHg)	20	1,000	30	600
Base Excess	-50	50	-30	30
FIO <sub>2</sub>	20%	100%	20%	100%
Hemoglobin (gm/dl)	1	25	5	20
INR	0.5	20	0.8	10
PTT (sec)	10	150	20	100
Platelet Count (cells/ul)	n/a	2,000,000	10,000	1,000,000
Prothrombin Time (sec)	5	200	8	100
WBC (cells/ul)	n/a	500,000	1,000	100,000