

Biochemistry Department

Biochemistry	Low	High
*Ammonia Adult 0-16 yrs.	None	> 300 µmol/L >110 µmol/L
*Amylase	None	> 250 U/L
*Bilirubin , total (Newborns)	None	≥ 15 mg/ dL
*Calcium	< 6 mg/dL	> 13 mg/ dL
*Cardiac troponin T(cTnT)	None	> 0.1 µg/L
*Cardiac troponin I(cTn I)	None	> 1.6 µg/L
*Chloride	<80 mEq /L	>115 mEq /L
*CK	None	>500U/L
*Digoxin	None	>3.0 ng/ml
*Glucose	< 40 mg/dL	> 450 mg/ dL
*Glucose (Newborns)	< 30 mg/dL	> 200 mg/ DL
*Magnesium	< 1.0 mg/dL	> 4.3 mg/ dL
*Phosphorus	< 1.5 mg/dL	>9 mg/dL
*Potassium	<2.8 mEq /L	>6.2 mEq /L
*Potassium (Newborns)	<2.5 mEq /L	>7.0 mEq /L
*Sodium	<120 mEq /L	>160 mEq /L
*Lithium	None	>2 mEq/L
*Urea(except dialysis patients)	< 5 mg/dL	> 100 mg/ dL
*Creatinine Up to 1 month 1 m- 2 yrs. 2yrs.-11 yrs. 12 yrs.-15 yrs. >16 yrs.	None	≥1.5 mg/dl ≥2.0 mg/dl ≥2.5 mg/dl ≥3.0 mg/dl ≥ 10 mg/dl
*Iron		> 300 µg/dL
*CSF Glucose	< 30 mg/dl	>300 mg/dl
*CSF Protein	None	> 45 mg/ dL
Osmolality(Calculation *method)	≤190	≥390mosm/kg
Lactate	None	>60mg/dl
Uric Acid	None	>13mg/dl

Biochemistry	Value	Comment
IgG	< 200 mg/dL	0-1 month
	< 150 mg/dL	2-5 months
	< 200 mg/dL	6-11 months
	< 250 mg/dL	1-150 yrs.
IgA	<7any age <20 adult	mg/dL mg/dL
IgE	>2000	mg/dL
IgM	<15 any age	mg/dL

Reference:

www.Aruplab.com , www.mayomedicallaboratories.com
 Some data form Emmancipator K.Critical values .ASCP practice parameter .Am J Clin Pathol
 1997,108 :247.