

Alkaline Phosphatase	2-3x adult normal through adolescence (due to bone turnover)	
AST	2-3x adult normal in < 24 months old	
ALT	Similar to adult normal	
LDH	0-4 days	290-775 U/L
	4-10 days	545-2000
	10 days-24 mo	180-430
	24mo-12yo	110-295
	> 12yo	100-190
Bicarb	Newborn	17-24 mEq/L
	Infant	19-24
	2mo-2yo	16-24
	>2yo	22-26
BUN	Premature (< 1wk)	3-25 mg/dL
	Newborn	2-19
	Infant/Child	5-18
	Adult	6-20
Creatinine	Newborn	0.3-1.0 mg/dL
	Infant	0.2-0.4
	Child	0.3-0.7
	Adolesc	0.5-1.0
	Adult male	0.9-1.3
	Adult female	0.6-1.1
CPK	Newborn 145-1578 U/L, else 20-200 U/L	

Ammonia (mcg/dL)	pemsources.org	
	Newborn	90-150
	0-2 weeks	79-129
	Infant/Child	29-70
	Adult	15-45
Glucose (mg/dL)		
	Preterm	20-60
	Newborn, < 1 day	40-60
	Newborn, > 1 day	50-90
	Child	60-100
	> 16 years	70-105
Lactate (mmol/L)		
Capillary	0-90 days	1.1-3.5
	3-24 mos	1.0-3.3
	2-18 yrs	1.0-2.4
Venous		0.5-2.2
Arterial		0.5-1.6

Na	< 1 yr	130-145 mEq/L
	> 1 yr	135-147
K+	Premie	3.0-6.0 mEq/L
	Neonate	3.7-5.9
	Infant	4.1-5.3
	Child	3.4-4.7
	Adult	3.5-5.1
Calcium	Premie	6.2-11.0 mg/dL
	0-10 d	7.6-10.4
	10d-24m	9.0-11.0
	24m-12y	8.8-10.8
	12-18y	8.4-10.2
Phos	0-9 d	4.5-9.0 mg/dL
	10d-24m	4.0-6.5
	3-9 yr	3.2-5.8
	10-15 yr	3.3-5.4
	> 15 yr	2.4-4.4

Source: Harriet Lane Handbook 21st edition

Avg. Hgb/Hct, -2 std dev	2mo	11.2/35, 9.4/28
	Term	16.5/51, 13.5/42
	1-3d	18.5/56, 14.5/45
	2 wk	16.6/53, 13.4/41
	1mo	13.9/44, 10.7/33
	6mo	12.6/36, 11.1/31
	6m-2y	12/36, 10.5/33
	2-6y	12.5/37, 11.5/34
	6-12y	13.5/40, 11.5/35
Lower limit MCV 70 + age (yrs)		

CSF WBC	0-28d	0-19
	29-56d	0-9
	Child	0-7
Protein	Premie	65-150
	mg/dL	0-56d
	Child	53-102
		5-40