

**POINT OF CARE TESTS
NORMAL AND PANIC VALUES**

LABORATORY TEST	NORMAL	PANIC (POCT)
GLUCOSE – ADULT/PEDIATRIC	70-199 mg/dL	<60 or >400 mg/dL
GLUCOSE- NEONATE	55-115 mg/dL	<40 or >150 mg/dL

For TARGET GLYCEMIC CONTROL values, check protocol for appropriate patient population

URINE DIPSTICK		
pH	4.5 - 8.0	NA
Specific Gravity	1.002-1.030	NA
HEMOGLOBIN A1C	4.2% - 6.0%	NA
PROTHROMBIN TIME INR	0.9-1.2	>= 5.0

HEMOGLOBIN:

PANIC VALUE : <= 7 g/dL

SEX	AGE	NORMAL VALUE
	0-7 days	14.5 – 22.5 g/dL
	8-14 days	13.5 - 21.5 g/dL
	2-4 wks	12.5 – 20.5 g/dL
	1-2 mos	10.0 – 18.0 g/dL
	2-3 mos	9.0 – 14.0 g/dL
	3-6 mos	9.5 – 13.5 g/dL
	6-24 mos	11.0 – 13.5 g/dL
	2-5 yrs	11.2 – 13.5 g/dL
	5-8 yrs	11.4 – 15.5 g/dL
	8-12 yrs	11.6 – 15.5 g/dL
Male	12-15 yrs	12.3 – 16.0 g/dL
	15-18 yrs	12.6 – 17.0 g/dL
	18+ yrs	13.6 - 17.5 g/dL
Female	12-15 yrs	11.8 – 15.5 g/dL
	15+ yrs	12.0 – 15.5 g/dL

CHOLESTEROL (Fasting > 12 hours):

	DESIRED VALUE
TOTAL CHOLESTEROL	
PEDIATRIC (< 20 y/o)	< 170 mg/dL
ADULT (> 19 y/o)	<200 mg/dL
LDL CHOLESTEROL	
PEDIATRIC (<20 y/o)	< 110 mg/dl
ADULT (>19 y/o)	< 100 mg/dL
HDL CHOLESTEROL	> 39 mg/dL
TRICLYCERIDE	< 150 mg/dL

BLOOD GASES:

TEST	SPECIMEN SOURCE	NORMAL VALUE	PANIC VALUE
pH	Arterial	7.35 to 7.45	<7.20 or >7.55
	Venous	7.31 to 7.41	< 7.20
pCO ₂ (mmHg)	Arterial – 0 to 1 yr	35 to 45	< 25 or >65
	Arterial – >1 yr	32-48	< 25 or >65
	Venous	41 to 51	> 75
pO ₂ (mmHg)	Arterial – 0-30 days	80 to 100	<40 or >100
	Arterial – > 30 days	83 to 108	<40
	Venous	35 to 40	
NA (mmol/L)	Whole Blood	136 to 146	<125 or >155
K (mmol/L)	0 – 6 months	3.0 to 5.4	<3.0 or >6.0
	> 6 months	3.4 to 4.5	<3.0 or >6.0
CA ⁺⁺ (mmol/L)	0 – 6 months	0.95 to 1.50	<0.80 or >1.55
	> 6 months	1.15 to 1.29	<0.80 or >1.55
Glucose (mg/dL)	Adult/Pediatric	70-199	<60 or >400
	Neonate	55-115	<40 or >150
Lactate (mmol/L)	Whole Blood	0.0 to 2.0	
HCT(%)	Adult Male	41% to 53%	
	Adult Female	36% to 46%	
HCO ₃ (mmol/L)		22 to 27	
BEb (mmol/L)	Arterial	-3 to +3	
SO _{2c} (%)	Arterial	95 to 99%	

ACTIVATED CLOTTING TIME:

INSTRUMENT	NORMAL VALUE
HEMOCHRON P214 TUBE	110 to 182
HEMOCHRON FT510 TUBE	105 to 167
MEDTRONIC II	80 to 130 seconds

CO-OXIMETRY: AVOXIMETERS

TEST	NORMAL VALUE	PANIC VALUE
HEMOGLOBIN	SEE RANGES LISTED ABOVE	<= 7.0 g/dL
O ₂ SATURATION	95 to 99%	