

St. Louis Children's Hospital Point-of-Care Reference Ranges

REVIEWED DATE: May 2018

Blood Gases (at 37°C) and Electrolytes

	<u>Arterial</u>	
pH	7.35 – 7.45	
pCO ₂	32 – 48 mmHg	
pO ₂	83 – 108 mmHg	
tCO ₂	20-30 mmHg	
Na ⁺	135 – 145 mmol/L	
K ⁺	3.3– 4.9 mmol/L	
Ionized Calcium	3.9 – 5.2 mg/dL	0-18 years
	4.5 – 5.1 mg/dl	>18 years

Whole Blood Glucose

0 Days – 1 Month	40 – 100 mg/dL
> 1 Month	65 - 199 mg/dL

Alert values: Glucose

0 – 1 Month	≤40 mg/dL	≥300 mg/dL
>1 Month	≤65 mg/dL	≥350 mg/dL

If results are outside the alert range of the glucose meter, repeat the test, notify the physician and obtain a physician's order for a STAT glucose when requested. Record both Point-of-Care glucose results in the patient's chart.

	<u>Hemoglobin</u>	<u>Hematocrit</u>
0 Days to 1 Week	14.5 – 22.5 g/dL	45 – 65 %
1 Week to 1 Month	10.0 – 18.0 g/dL	31 – 55 %
1 Month to 6 Months	9.0 – 14.9 g/dL	28 – 42 %
6 Months to 2 Years	10.5 – 13.5 g/dL	33 – 39 %
2 Years to 6 Years	11.5 – 13.5 g/dL	34 – 40 %
6 Years to 12 Years	11.5 – 15.5 g/dL	35 – 45 %
12 Years to Adult (Male)	13.8 – 17.2 g/dL	41 – 50 %
12 Years to Adult (Female)	12.1 – 15.1 g/dL	36 – 44 %

Activated Clotting Time

Reference ranges vary with patient care. Obtain a physician's order for additional coagulation testing when indicated.

Macroscopic Urinalysis

pH	5 - 8
Protein	Negative
Glucose (Qualitative)	Negative
Ketones (Qualitative)	Negative
Bilirubin (Qualitative)	Negative
Urobilinogen	0.2 – 1.0 Ehrlich units/dL
Nitrites	Negative
Leukocyte Esterase	Negative

Specific gravity values normally range between 1.003 – 1.040 depending on fluid intake. If there is a question about the results obtain a physician's order and send the sample to the laboratory.

Fecal Occult Blood

Normal test results for infants and adults are **negative**.

Gastric Occult Blood

Normal test results for infants and adults are **negative**

Rapid HIV

Normal test results are **Negative/Non Reactive**



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Written By

Technical Supervisor

Date

Medical Director

Date

Annual Review: Medical Director/Designee

Date

Location of hard copy location(s): Core Lab Office
See Tests Methods / Test Locations (POC.1.0002.0)

Date Archived: _____