

**PHOENIX CHILDREN'S HOSPITAL**

REFERENCE RANGES

POINT OF CARE TESTING

<b>Analyte</b>	<b>Age/Sex</b>	<b>Reference Range</b>	<b>Units</b>
Accu-Chek Glucose	0-11Y M/F	55-110	mg/dl
	≥ 12Y M/F	70-120	mg/dl
Hemocue Hemoglobin	Infant M/F	10-14	g/dl
	2Y – 13Y M/F	10-14	g/dl
	>13Y M	13-18	g/dl
	>13Y F	11-16	g/dl
Hemoglobin A1C Siemens DCA Vantage	All	3-5.5	%
O2 Saturation Avoximeter 1000E			
Right Heart	All	70-80	%
Left Heart	All	95-100	%
ACT Hepcon (Baseline)	All	113-169	Seconds
ACT values obtained during an individual case will be considered and acted upon based on correlation with clinical status			
ACT Medtronic (Baseline)	All	113-169	Seconds
Urine Specific Gravity by refractometer	All	1.003-1.025	
Urine Dipstick	All		
Glucose		Negative	EU
Bilirubin		Negative	
Ketones		Negative	
Specific Gravity		1.003-1.025	
Blood		Negative	
pH		4.6-8.0	
Protein		Negative	
Urobilinogen		0.2-1	
Nitrites		Negative	
Leukocytes		Negative	
Rapid Strep	All	Negative	
Urine HCG	All	Negative	
Hemoccult	All	Negative	
Rapid HIV	All	Non-Reactive	
INR	Therapeutic range	2.0-3.0	Seconds

Analyte	Age/Sex	Reference Range	Units
	Patient with mechanical heart valves	2.5-3.5	Seconds
<b>BLOOD GASES</b>			
pH	All	7.350-7.450	
pCO <sub>2</sub>	0-5D M/F	40-50	mmHg
	>5D M/F	32-45	mmHg
pO <sub>2</sub>	0-5D M/F	60-80	mmHg
	>5D M/F	75-100	mmHg
Sodium	0-1Y M/F	133-145	meq/L
	>1Y M/F	134-143	meq/L
Potassium	All	3.6-5.2	meq/L
Chloride	All	98-108	meq/L
Ionized Calcium	All	4.60-5.17	meq/L
Lactic Acid	All	0.5-1.6	mmol/L
Total Hemoglobin	0-14D M/F	13.5-24.0	g/dl
	14D-1M M/F	12.5-21.5	g/dl
	1M-2Y M/F	10.5-14.0	g/dl
	2Y-10Y M/F	11.5-14.5	g/dl
	10Y-18Y M/F	12.0-16.0	g/dl
	>18 M	13.0-18.0	g/dl
	>18 F	11.5-16.0	g/dl
SO <sub>2</sub>	0-5D M	88-100	%
	0-5D F	88-99	%
	>5D M	95-100	%
	>5D F	95-99	%
Oxyhemoglobin	All	94-98	%
Coxyhemoglobin	All	0-0.8	%
Methemoglobin	All	0.2-0.6	%
Deoxyhemoglobin	All	0.8-4.8	%
Bicarbonate	0-12Y M/F	18-28	%
	>12Y M/F	21-32	%
Base excess/deficit	All	0-3	
Total Bilirubin	0-1D M/F	0-5.8	mg/dl
	1D-2D M/F	0-1.0	mg/dl
	2D-1M M/F	0-12.0	mg/dl
	>1M M/F	0-1.0	mg/dl
Creatinine	Female		
	0-1Y	0.1-0.5	mg/dl
	1-3Y	0.1-0.6	mg/dl
	3-7Y	0.1-0.7	mg/dl
	7-10Y	0.1-0.8	mg/dl
	10-11Y	0.1-0.9	mg/dl
	>11Y	0.1-1.1	mg/dl

Analyte	Age/Sex	Reference Range	Units
Creatinine	Male		
	0-1Y	0.1-0.6	mg/dl
	1-3Y	0.1-0.7	mg/dl
	3-7Y	0.1-0.8	mg/dl
	7-10Y	0.1-0.9	mg/dl
	10-11Y	0.1-1.0	mg/dl
	>11Y	0.1-1.3	mg/dl

References:

Pediatric Reference Ranges, Soldin, Brugnara and Wong AACC Press Fourth Edition, 2003

Radiometer ABL 800 Reference Manual 2006