



T-PO0001

San Francisco  
Health Network  
SAN FRANCISCO GENERAL HOSPITAL  
AND TRAUMA CENTER

BARBARA HALLER, MD, PHD, DIRECTOR  
CLINICAL LIBRARY  
1001 Potrero Ave., Bldg 5, Rm 2M  
San Francisco, CA 94110

NAME

DOB

MRN

PCP

**Infant Care Center**  
**Point of Care Test Reference Ranges**

Patient ID / Addressograph

**Glucose - Non-Fasting (mg/dL)**

Newborn - 1 year	50 - 150
> 1 year	70 - 199

**Blood Gas Parameters**

Specimen	Analyte	Patient Age	Reference Range
Whole Blood, Arterial	pH	0 - 6 months	7.25 - 7.45
		> 6 - 12 months	7.30 - 7.45
		> 1 year	7.35 - 7.45
	pCO <sub>2</sub> - mm Hg	0 - 12 months	27 - 40
		> 1 year	35 - 45
	pO <sub>2</sub> - mm Hg	Newborn	50 - 90
		> 1 day - 12 months	80 - 100
	HCO <sub>3</sub> Actual - mmol/L	0 - 1 month	17 - 24
		> 1 month - 1 year	19 - 24
		> 1 year	22 - 26
BE - mmol/L	0 - 1 month	-10 to -2	
	1 - 12 months	-7 to -1	
	> 1 year	-2 to +3	
Whole Blood, Venous	pH	all ages	7.32 - 7.42
	pCO <sub>2</sub> - mm Hg	all ages	41 - 51
	pO <sub>2</sub> - mm Hg	0 - 12 months	35 - 50
		> 1 year	25 - 40
	HCO <sub>3</sub> Actual - mmol/L	0 - 1 year	18 - 24
		> 1 year	22 - 29
BE - mmol/L	See Arterial Values		
Whole Blood, Capillary	pH	0 - 12 months	7.31 - 7.47
		> 1 year	7.35 - 7.45
	pCO <sub>2</sub> - mm Hg	0 - 12 months	30 - 50
	pO <sub>2</sub> - mm Hg	0 - 12 months	30 - 60
	BE - mmol/L	See Arterial Values	
Cord Blood, Arterial	pH	Newborn	7.10 - 7.38
	pCO <sub>2</sub> - mm Hg	Newborn	35 - 74
	pO <sub>2</sub> - mm Hg	Newborn	6 - 30
	BE - mmol/L	Newborn	-10 to +1
Cord Blood, Venous	pH	Newborn	7.20 - 7.46
	pCO <sub>2</sub> - mm Hg	Newborn	28 - 57
	pO <sub>2</sub> - mm Hg	Newborn	16 - 43
	BE - mmol/L	Newborn	-10 to +2

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**Cooximetry**

Specimen	Analyte	Patient Age	Reference Range
Whole Blood, Arterial or Venous	Total Hemoglobin - g/dL	< 1 day	13.5 - 19.5
		1 - 7 days	13.5 - 22.5
		8 - 14 days	12.5 - 21.5
		15 days - < 1 month	10.0 - 20.5
		1 - < 2 months	9.0 - 18.0
		2 - < 3 months	9.0 - 13.5
		3 - < 6 months	9.5 - 13.5
		6 months - < 2 years	10.5 - 13.5
	Oxyhemoglobin (O <sub>2</sub> Hb) - %	0 - 4 hrs	85 - 90
		> 4 hrs	95 - 99
Carboxyhemoglobin (COHb) - %	0 - 12 months	0.5 - 1.5	
Methemoglobin (MetHb) - %	0 - 12 months	< 1.5	
Oxygen Content - vol%	all ages	15 - 23	

**Electrolytes**

Specimen	Analyte	Patient Age	Reference Range
Whole Blood, Arterial or Venous	Na <sup>+</sup> - mmol/L	all ages	133 - 146
		0 - 2 weeks	3.7 - 5.9
	K <sup>+</sup> - mmol/L	2 wks - 1 year	4.1 - 5.3
		1 - 16 years	3.4 - 4.7
		0 - 12 months	0.95 - 1.50
	Ionized Ca <sup>++</sup> - mmol/L	> 1 year	1.12 - 1.32

**Hematocrit**

Specimen	Analyte	Patient Age	Reference Range
Whole Blood, Arterial or Venous	Hematocrit - %	Newborn	42 - 60
		1 day - 7 days	42 - 67
		8 days - 14 days	39 - 66
		15 - 30 days	31 - 66
		1 - 2 months	28 - 55
		2 - 3 months	28 - 42
		3 - 6 months	29 - 41
		6 months - < 2 years	33 - 39