

## The Most IMPORTANT Lab Values for Respiratory Therapists:

<b>Lab Value</b>	<b>Normal Range</b>
PaO <sub>2</sub>	75 - 100 mmHg
PaCO <sub>2</sub>	35 - 45 mmHg
HCO <sub>3</sub>	2 - 26 mEq/L
pH - arterial	7.35 - 7.45
SaO <sub>2</sub>	94% or greater
pH - venous	7.31 - 7.32
PvCO <sub>2</sub>	40 - 50 mmHg
PvO <sub>2</sub>	35 - 40 mmHg
SvO <sub>2</sub>	68 - 77%
Hb - Hemoglobin	Male: 13 - 16 g/dL, Female: 12 - 15 g/dL
Hematocrit	Male: 42 - 50%, Female: 40 - 48%
COHb - Carboxyhemoglobin	<5%
MethHb - Methemoglobin	<2%
PTT - Prothrombin time	22 - 26 seconds
Platelets	150 - 450 x 10 <sup>9</sup> /L
INR	1.0 - 1.2
WBCs	4000 - 11,000/mm <sup>3</sup>
Neutrophils	40 - 75% Bacterial
Lymphocytes	20 - 45% Viral
Monocytes	2 - 10% Malignancies, Chronic or Fungal Infections
Eosinophils	6% Allergic
Bilirubin	0.3 - 1.0 mg/dL
Calcium	8.5 - 10.5 mg/dL
Creatinine	0.7 - 1.5 mg/dL
Glucose	70 - 115 mg/dL
Albumin	3.5 - 5.5 g/dL
BUN - Blood Urea Nitrogen	8 - 20 mg/dL
Uric Acid	3 - 7 mg/dL
Chloride - Cl <sup>-</sup>	98 - 106 mEq/L
Potassium - K <sup>+</sup>	3.5 - 5.0 mEq/L
Sodium - Na <sup>+</sup>	136 - 145 mEq/L

