

**Blood Gas** 

## Heparinized Syringe



Alternate Name:		ABG, Arterial Blood Gases, Venous Blood Gases
Performing Lab:		New Hanover and Orthopedic Hospital
Specimen Container:		Heparinized syringe or capillary tube
Minimum Volume Required:		0.5 mL
Testing Availability	Routine: Stat:	24 hours/day Yes
Turnaround Time:		Routine: 4 hours Stat: < 1 hour
Special Handling:		All specimens should be on ice and delivered to the laboratory immediately.
Patient Preparation:		None
Specimen Stability:		1 hour
<b>Reference Range:</b>		
	pH arterial:	7.350 – 7.450
	pO2 arterial:	75 – 100 mmHg
	pCO2 arterial:	35 – 45 mmHg
	HCO <sub>3</sub>	22 – 26 mmol/L
	TCO2 arterial:	22 – 29 mmol/L
	O2 Saturation arterial:	92% - 99% 40% - 70%
	BE arterial:	-2 to +2

Critical Value		
	pH arterial: Adults: Neonates:	< 7.30 or > 7.55 < 7.26
	pH venous:	<7.25 or >7.60
	pO2 arterial Adults: Neonates:	< 55 mmHg < 44 mmHg
	pCO2 arterial:	< 20 mmHg or > 60 mmHg
CPT Code:		82803
Testing Methodology:		
Causes for Specimen	pH: pO2: pCO2: HCO3: TCO2: O2 Sat: BE Rejection:	pH electrode O2 electrode (amperometric) CO2 electrode Calculated by instrument Calculated by instrument Calculated by instrument Calculated by instrument Improper labeling Presence of large air bubble
		Specimen not on ice Specimen clotted