

## Blood Gas Arterial

<b>Synonyms</b>	ABG, Blood Gas, Arterial Blood Gas																		
<b>Abbreviation</b>	ABG																		
<b>Specimen type</b>	Whole blood, arterial																		
<b>Container</b>	Heparinized ABG syringe Li Heparin tube (green or green/yellow)																		
<b>Volume</b>	1.0 mL Minimum: 0.5 mL																		
<b>Collection requirements</b>	RT or nursing collects by arterial puncture or an art line. Expel air, cap tightly, mix well. If analysis will be delayed >30 min, place on ice.																		
<b>S/H instructions</b>	Perform testing ASAP. Place on ice if testing delayed >30 min.																		
<b>Stability</b>	30 min at room temp																		
<b>Reference range</b>	<table border="1"><thead><tr><th>Assay</th><th>Ref Range</th><th>Panic</th></tr></thead><tbody><tr><td>pH</td><td>7.35 – 7.45</td><td>&lt;7.2 or ≥7.6</td></tr><tr><td>pCO<sub>2</sub></td><td>35 – 45 mmHg</td><td></td></tr><tr><td>HCO<sub>3</sub></td><td>22 – 26 mEq/L</td><td>≤10 or ≥40mEq/L</td></tr><tr><td>pO<sub>2</sub></td><td>80.0 – 100.0 mmHg</td><td>≤49.0 or ≥999.0 mmHg</td></tr><tr><td>O<sub>2</sub> sat</td><td>96 – 98%</td><td></td></tr></tbody></table>	Assay	Ref Range	Panic	pH	7.35 – 7.45	<7.2 or ≥7.6	pCO <sub>2</sub>	35 – 45 mmHg		HCO <sub>3</sub>	22 – 26 mEq/L	≤10 or ≥40mEq/L	pO <sub>2</sub>	80.0 – 100.0 mmHg	≤49.0 or ≥999.0 mmHg	O <sub>2</sub> sat	96 – 98%	
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<b>Routine / STAT T.A.T</b>	Within 4 hours / 1 hour																		
<b>Section</b>	Chem																		
<b>LAB code</b>	01269																		