

Acceptable Tube Types



**Carbon Dioxide**

<b>Alternate Name:</b>	CO2
<b>Performing Lab:</b>	New Hanover and Cape Fear
<b>Specimen Container:</b>	Yellow serum separator tube or Green top tube (lithium heparin) or Red top tube
<b>Minimum Volume Required:</b>	1.0 mL
<b>Testing Availability</b>	<b>Routine:</b> 24 hours/day <b>Stat:</b> Yes
<b>Turnaround Time:</b>	<b>Routine:</b> 4 hours <b>Stat:</b> < 1 hour
<b>Special Handling:</b>	None
<b>Patient Preparation:</b>	None
<b>Specimen Stability:</b>	
<b>Reference Range:</b>	21 – 32 mEq/L
<b>Critical Value:</b>	N/A
<b>CPT Code:</b>	82374
<b>Testing Methodology:</b>	Enzymatic Endpoint
<b>Causes for Specimen Rejection:</b>	Improper labeling
<b>Other Comments:</b>	
<b>Clinical Significance:</b>	Evaluate the total carbonate buffering system in the body, acid-base balance. High results may represent respiratory acidosis with CO2 retention, or metabolic alkalosis (eg, prolonged vomiting). Low value may indicate respiratory alkalosis as in hyperventilation or metabolic acidosis (eg, diabetes with ketoacidosis).