BMC, CRH, LFH, OCH, FTT, FOX

### **Performing Location(s)**

BMC, CRH, LFH, OCH, FTT, FOX



# Important Note

Note: For CRH and Fox this test code replaces RT85/RT43

#### **Specimen Type**

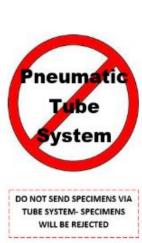
Whole Blood: Arterial, Capillary, Cord (MIBH)

#### **Specimen Tubes for Blood Gases**

# **Specimen Tubes for Blood Gases** (ABG/VBG), O₂ Sat, OxyHb, CarboxyHb, MetHb



(LIGHT GREEN OR MINT TOP)







SODIUM HEPARIN (DARK GREEN TOP)



#### **Preferred Container**

Lithium Heparin coated syringe Lithium Heparin Tube Expel all air bubbles from syringe immediately after collection.

#### **Alternate Container**

Mint Green top tube (prefer Dark Green top tube short 4.0mL draw Lithium Heparin only when submitted to the Clinical Lab for Blood Gas or with lactate and/or with Basic Metabolic Panel unspun.

### **Volume Required**

2 ml whole blood

#### **Minimum Volume**

 $0.5 \, \text{ml}$ 

#### **Specimen Transport**

Deliver ASAP within 15 minutes.

Do not centrifuge.

Stable 30 minutes at room temperature.

Do not send on ice

**Do Not** send through the pneumatic tube system.

#### **Causes for Rejection**

Mislabeled or unlabeled specimen

Less than 95% draw for vacutainer tubes

Specimen not received within 30 min of collection at room temp Specimen delivered on ICE Specimen contaminated with Room Air (bubbles in syringe or uncapped), Clotted or Centrifuged Pneumatic tube transport of Green top tubes or syringes

All other tubes or anticoagulant other than Lithium heparin whole blood No Add-ons

#### **Reference Values**

	Reference Ranges		
Analyte	Units	Population	Arterial
pН	(none)	All	7.350-7.450
pCO2	mmHg	All	32-48
pO2	mmHg	All	83-108
HCO3	mmol/L	All	21-28
TCO2	mmol/L	All	19-32
O2 Content	vol%	All	15-23
O2 Saturation	%	All	95-98
Base Excess	mmol/L	All	(-2)-(+3)

Critical Values					
Analyte	Units	Population	Arterial/ Capillary	Arterial/ Capillary	
			Low	High	
pН	(none)	All	< 7.25	>7.60	
pCO2	mmHg	All	< 23	>60	
pO2	mmHg	All	< 45		

## **Available STAT**

Yes

**Methodology** Ion specific electrodes, spectrophotometry, calculations

# **CPT Code**

82803