CCL-QRG 006 Critical Care Laboratories Reportable/Reference Ranges, Critical Values, Sample Type and Stability Chart

Specimen Rejection Criteria: Samples that are clotted, QNS, old or otherwise found unsatisfactory will be rejected, orders credited, and the caregiver notified.

ISTAT CRT	ACT	DxHb	МеНЬ	СОНР	ОхуНЬ	O2Sat	dHt	Lact	Glu	icas	X+	Na+	p02	pC02	뫄	Analyte
0.2 - 20.0 mg/dL	80 - 600 seconds	N/A	N/A	N/A	N/A	15 - 100%	4.8 - 20.8 g/dL	0.36 - 24.0 mmol/L	30 - 650 mg/dL	0.55 - 3.12 mmol/L	1.36 - 12.1 mmol/L	109 - 168 mmol/L	27 - 515 mmHg	14.5 - 135.0 mmHg	6.800 - 7.720	Reportable Range
Adult: 0.5-1.5 mg/dL	102 - 142 seconds	<4.5 % Arterial 30 - 60% Venous	<1.5 %	Non-smoker: <1.5 % smoker: 1.5 - 5.0 %	arterial: 96 - 97 % venous: 40 - 70 %	>95% Arterial <70% Venous	male: 14 - 18 g/dL female: 12 - 16 g/dL	arterial: 0.36 - 1.25 mmol/L venous: 0.90 - 1.70 mmol/L	70 - 99 mg/dL	1.00 - 1.30 mmol/L	3.50 - 5.30 mmol/L	135 - 146 mmol/L	arterial: 80.0 - 100.0 mmHg venous: 35.0 - 45.0 mmHg	arterial: 35.0 - 45.0 mmHg venous: 38.0 - 48.0 mmHg	arterial: 7.350 - 7.450 venous: 7.320 - 7.420	Normal (Reference) Range
N/A	N/A	N/A	N/A	N/A	N/A	N/A	≤6.0 and ≥20.0 g/dL	N/A	<50 and >600 mg/dL	<0.75 and >1.40 mmol/L	<3.0 and >6.0 mmol/L	<120 and >160 mmol/L	arterial only: <50 mmHg	<25.0 and >60.0 mmHg	<7.200 and >7.600	Critical Value Range
Full 4 mL or pediatric Lithium or Sodium heparin collection tube.	greater than 2 mL in a NON heparinized Syringe. Do not send via tube system.	 Syringe with Sodium Heparin Capillary tube with Ca balanced Heparin. For Autopsy samples only - LithHep vac tube. 	 Syringe with Sodium Heparin Capillary tube with Ca balanced Heparin. For Autopsy samples only - LithHep vac tube. 	 Syringe with Sodium Heparin Capillary tube with Ca balanced Heparin. For Autopsy samples only - LithHep vac tube. 	 Syringe with Sodium Heparin Capillary tube with Ca balanced Heparin. For Autopsy samples only - LithHep vac tube. 	Syringe with Sodium Heparin Capillary tube with Ca balanced Heparin.	 Syringe with Sodium Heparin Capillary tube with Ca balanced Heparin. 	 Syringe with Sodium Heparin Capillary tube with Ca balanced Heparin. Lithium heparin collection tube. 	 Syringe with Sodium Heparin Capillary tube with Ca balanced Heparin. Lithium heparin collection tube. 	 Syringe with Sodium Heparin Capillary tube with Ca balanced Heparin. Lithium heparin collection tube. 	 Syringe with Sodium Heparin Capillary tube with Ca balanced Heparin. Lithium heparin collection tube. 	 Syringe with Sodium Heparin Capillary tube with Ca balanced Heparin. Lithium heparin collection tube. 	Syringe with Sodium Heparin Capillary tube with Ca balanced Heparin.	Syringe with Sodium Heparin Capillary tube with Ca balanced Heparin.	Syringe with Sodium Heparin Capillary tube with Ca balanced Heparin.	Acceptable Sample Type
30 Min Room Temp.	Test immediately after collection.	30 Min Room Temp. Do not put the sample on ice.	30 Min Room Temp. Do not put the sample on ice.	30 Min Room Temp. Do not put the sample on ice.	30 Min Room Temp. Do not put the sample on ice.	30 Min Room Temp. Do not put the sample on ice.	30 Min Room Temp.	30 Min Room Temp.	30 Min Room Temp. Do not put the sample on ice.	7 hrs at Room Temp. 48 hrs on ice.	30 Min Room Temp. Do not put the sample on ice.	30 Min Room Temp. Do not put the sample on ice.	30 Min Room Temp. Do not put the sample on ice.	30 Min Room Temp. Do not put the sample on ice.	30 Min Room Temp. Do not put the sample on ice.	Sample Stability

Created: 3/15. Revised: 7/6/18

Procedure Reference: CCL-021 Blood Gas Analysis Using Siemens Rapidlab 1200 Analyzers, CCL-016 Corrected Report/Critical Value Reporting Policy - Exceptions to the Department Policy