Process: Point of Care- Results Reporting   **R RRP 0003 S1**
Procedure: Analyzer Reference Range and Reporting Limits

This procedure lists Analyzer Reference Ranges and Test Reporting limits for tests performed in Nisga'a Valley Health Authority. Any result outside Reporting limits is invalid and requires repeat testing in reference center.

Analyzer	Test	Reference Range	Test Reporting limits (linearity)
i-STAT	Sodium (mmol/L)	136- 145	100-180
	Potassium (mmol/L)	3.5- 5.1	2.0-8.7
	Chloride (mmol/L)	98- 107	65-135
	TCO2 (mmol/L)	22-30	8-42
	Glucose (mmol/L)	Fasting: 3.6- 6.1 Random: 4.0- 11.0	1.1-35.5
	Urea (mmol/L)	3- 8	1.0-47.1
	Creatinine (umol/L)	Male: 59- 104 Female: 45- 84	18-1598
	Troponin I (ug/L)	**< 0.03 ug/L** : No measurable Troponin I present. Low risk of acute myocardial injury. In the context of clinical assessment serial measurement(s) at 3-6 hour intervals may be required for confirmation of myocardial injury if clinically indicated. **0.03-0.08 ug/L**: Measurable troponin I present. Etiology and significance not established. In the context of clinical assessment serial measurement(s) at 3-6 hour intervals may be required for confirmation of myocardial injury if clinically indicated **>0.08 ug/L** (99th percentile): Measurable troponin I present. Suggestive of myocardial origin, serial measurements at 3-6 hour intervals may be required for confirmation of myocardial injury if clinically indicated. The clinical utility of a single troponin value to rule-in or rule-out acute myocardial injury is limited except in the setting of acute chest pain which has been ongoing >3 hours. Measurement of a baseline and serial measurement(s) at 3-6 hour intervals is advised if clinically indicated. Results are not interchangeable between	0.03-34.00

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		methods. Perform serial monitoring by the same method only. Note: The 99th percentile is adopted from IFCC Clin Chem 2017 Jan; 63 (1): 73-81."	
Glucose Meter	Glucose (mmol/L)	0-72 hrs of age: 2.6-11.0 0 days-16 years 3.3-11.0 17 years-adult 4.0-11.0	0.6-33.0
Clinitek Status			
	Glucose (mmol/ L)	Negative	Negative 5.5 14 28 >55
	Ketone (mmol/L)	Negative	Negative Trace 1.5 3.9 >7.8
	Specific Gravity (SG)	1.005 - 1.030	≤1.005 1.010 1.015 1.020 1.025 ≥1.030
	Blood (Ery/µL)	Negative	Negative Trace 25 80 200
	pH	5.0 – >9.0	5.0 5.5 6.0 6.5 7.0 7.5 8.0 8.5 ≥9.0
	Protein (g/L)	Negative	Negative Trace 0.3 >1
	Nitrate	Negative	Negative Positive
	Leukocytes (Leu/µL)	Negative	Negative 15 70 125 500
	BHCG	Negative SG >1.005	-
		Negative SG <1.005 (the sample is too dilute repeat test after 48 hrs)	-

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GeneXpert	Influenza A	Negative	-
	Influenza B	Negative	-
	RSV	Negative	-
	COVID	Negative	-
	Group A Streptococcus	Negative	-

Nisga'a Valley Health Authority
Primary Care Program and Services
4920 Tait Avenue, PO BOX 234
Gitlaxt'aamiks, B.C. V0J 1A0

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REVISION LOG

Version Number	Description of Change	Date of Revision	Reviewed By
1.0	RR Values from NHA and completed i-STAT validation	2025-07-18	H. Smith

Revision log must be the last page of each form, schedule or information sheets and must be carried forward to any subsequent revisions. Briefly summarize any revisions and indicate the date of implementation. A copy must be kept with the Master Document file.

DO NOT DISCARD