



Laboratory Medicine Bulletin

METHOD CHANGE AFFECTING MULTIPLE LABORATORY TESTS

January 22, 2016

As of the week of January 26, 2016, the Providence Health Care laboratories will be moving several immunometric tests from the Siemens Centaur to the Roche e601 platform. The laboratory tests affected by this transition are as follows:

Analyte	New Reference Range(s)?	Comment
High Sensitivity Troponin T	Y	This test replaces the current troponin I test and represents a major change. Please carefully review the separate bulletin here .
NT-proBNP	Y	This test replaces the current BNP test. See separate bulletin here .
hCG	Y	See separate bulletin here .
TSH	Y	See page 2 for updated reference intervals
FT4	Y	
FT3	Y	
Cortisol	Y	
Ferritin	Y	
PTH	N	---
Digoxin	N	---

All laboratory bulletins are also available at www.providencelaboratory.com. Should you have any questions, please do not hesitate to contact us.



Daniel T Holmes, MD FRCPC
Division Head, Clinical Chemistry, SPH
dtholmes@providencehealth.bc.ca | 604 806 8919

UPDATED REFERENCE INTERVALS

Thyroid Function Tests

Age	TSH (mIU/L)	FT4 (pmol/L)	FT3 (pmol/L)
0 to <6 d	0.70 – 15.20	11.0 – 32.0	2.7 – 9.7
6 d to <4 mo	0.72 – 11.00	11.5 – 28.3	3.0 – 9.3
4 mo to <1 y	0.73 – 8.35	11.9 – 25.6	3.3 – 9.0
1 y to <7 y	0.70 – 5.97	12.3 – 22.8	3.7 – 8.5
7 y to <11 y	0.60 – 4.84	12.5 – 21.5	3.9 – 8.0
11 y to <19 y	0.51 – 4.30	12.6 – 21.0	3.9 – 7.7
≥19 y	0.27 – 4.20	12.0 – 22.0	3.1 – 6.8

Cortisol

Test Type	Cortisol (nmol/L)
AM Cortisol	172 – 497
PM Cortisol	74 – 286

Ferritin

Age	Ferritin (µg/L)	
	Male	Female
6 mo to 16 y	12 – 188	12 – 188
17 y to 50 y	20 – 400	20 – 175
>50 y	20 – 500	20 – 300