

TO: Clients of URMC Labs

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SUBJECT: Changes in Test Methodology

DATE: July 10, 2012

On July 12, 2012 the URMC Labs at Strong Memorial Hospital will be moving the following tests from the current Siemens Immulite analyzer, which the vendor is no longer supporting, to the Roche test platform:

ACTH
Anti-Thyroglobulin (Anti-TG)
Anti-Thyroid peroxidase (Anti-TPO)
Beta 2 Microglobulin
C-Peptide
DHEA-S
Free T3
Growth Hormone
Homocysteine
Sex Hormone Binding Globulin (*This also includes the calculated Free Testosterone Test which is performed on Males > 17 years of age*)

Additionally, the following tests will be sent out to a reference laboratory:

Insulin Growth Factor 1 (IGF-1)
Erythropoietin
Thyroglobulin

The new adult reference ranges may be found in the attached chart.

NOTE: test results will not be noted with a "Note New Reference Range" comment, as previously done.

We understand that changes of this magnitude, particularly where the reference ranges are significantly different, are a major challenge to our providers. We will make every effort to make this transition with as little disruption to patient care as possible.

If you have any questions, please contact Dr. Corsetti or Dr. Kwong via the methods listed above.

TEST	UNITS	NEW AGE		NEW RANGE		
		RANGE				
ACTH	pg/mL	M/F	All Ages	7.2	63.3	
BETA 2 Microglobulin	mg/L	M/F	All Ages	0.8	2.2	
C-PEPTIDE	ng/mL	M/F	All Ages	1.1	4.4	
DHEAS	μg/dL	Female	10-14	33.9	280	
			15-19	65.1	368	
			20-24	148	407	
			25-34	98.8	340	
			35-44	60.9	337	
			45-54	35.4	256	
			55-64	18.9	205	
			65-74	9.4	246	
			75	12	154	
	Male		10-14	24.4	247	
			15-19	70.2	492	
			20-24	211	492	
			25-34	160	449	
			35-44	88.9	427	
			45-54	44.3	331	
			55-64	51.7	295	
			65-74	33.6	249	
			75	16.2	123	
GROWTH HORMONE	ng/mL	Female	<10 yr	0.12	7.79	
			11 -17 yr	0.123	8.05	
			Adult	0.126	9.88	
		Male	<10 yr	0.094	6.29	
			11 - 17 yr	0.077	10.8	
			Adult	< 0.03	2.47	
	umol/L	M/F	All Ages	< 15		
				Unchanged		
		M/F	Pediatric			
		F	Adult	20	130	
		M	Adult	10	80	
FREE T3	pg/mL	M/F	4-30 days	2	5.2	
			2-12 months	1.5	6.4	
			2-6 years	2	6	
			7-11 years	2.7	5.2	
			12-19 years	2.3	5	
			Adult	2	4.4	
THYROGLOBULIN ANTIBODY (ANTI-Tg)		IU/mL	M/F	All Ages	< 115	
THYROID PEROXIDASE (ANTI- TPO)		IU/mL	M/F	All Ages	< 34	