

TO: Clients of URMCLabs

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SUBJECT: Changes in Test Methodology

DATE: July 10, 2012

On July 12, 2012 the URMCLabs 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 RANGE	NEW 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
HOMOCYSTEINE	umol/L	M/F	All Ages	< 15	
SEX HORMONE BINDING GLOBULIN	nmol/L	M/F	Pediatric	Unchanged	
		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	