

Thyroid Stimulating Hormone (TSH)

Effective Date: September 7, 2016

Effective September 07, 2016, the Thyroid Stimulating Hormone (TSH) assay will be transitioned from the current second generation immunoassay (assay sensitivity: 0.03 mIU/mL) to a more sensitive third generation immunoassay (TSH-Ultra), which will have a sensitivity down to 0.01 mIU/mL. There are no changes in specimen requirements, preparation, storage, transport and days testing is performed.

With this change in assay, the reference ranges will be updated as follows:

TSH-Ultra New Reference Ranges

New Age Breakdown	New Reference Range (mIU/mL)	Old Age Breakdown	Old Reference Range (mIU/mL)
Cord Blood	1.00 – 39.00	Cord Blood	0.07 – 17.4
1 – 2 days	3.20 – 34.60	0 – 7 days	0.07 – 13.3
3 – 4 days	0.70 – 15.40		
5 days – 4 weeks	1.70 – 9.10	8 days – 1 month	0.6 – 10.0
1 – 11 months	0.80 – 8.20		
1 year - Adult	0.40 – 4.50	2 months - Adult	0.5 – 5.2

To appear with all female patients:

Pregnancy	TSH Ultra mIU/mL
1 st Trimester	0.26 – 2.66
2 nd Trimester	0.55 – 2.73
3 rd Trimester	0.43 – 2.91

If you have questions, please contact Client Services (1-800-551-0488, option 5).

Internal URL to Laboratory Bulletins:

http://employee.beaumont.edu/portal/pls/portal/ip30dev.page_pkg.page?xid=lab_bulletins

External URL to Laboratory Bulletins:

<http://beaumontlaboratory.com/hospitals-laboratories-three/test-information-center/laboratory-bulletins/>

Laboratory Test Directory: <http://beaumontlaboratory.com/test-lab-directory>.

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Submitted by: Kenneth W. Simkowski, Sr., Ph.D., Technical Director Automated Chemistry, Royal Oak
Elizabeth Sykes, M.D., Medical Director, Automated Chemistry and Special Testing, Royal Oak
Beatrice Muglia, M.D., Medical Director, Chemistry, Grosse Pointe
Ralph Zade, M.D., Medical Director, Chemistry, Troy

Beaumont Laboratory
Customer Service
1-800-551-0488