

# News

## Clinical Laboratory Test Update

### Thyroid Stimulating Hormone (TSH) Reference Interval Update

Effective February 19, 2018, the reference intervals and comments that accompany Thyroid Stimulating Hormone results will be updated. The assay's manufacturer reformulated a reagent used for this testing. Experiments comparing the reformulated reagent against the current reagent indicate that samples tested by either method produce similar results. However, additional investigation shows that adjusting the reference interval is indicated to permit better interpretation of results. The updated reference interval and interpretive comments appear below.

Reference interval: 0.45 – 5.33 mIU/L

Interpretive comments will be appended based on patient characteristics.

Default comment: For thyroid disease-free adults, age-dependent values ranging from 0.45 - 4.12 mIU/L are expected based on NHANES III data.  
Testing was performed by Access TSH (3rd IS).

Female 21-55 y: For thyroid disease-free adults, age-dependent values ranging from 0.45 - 4.12 mIU/L are expected based on NHANES III data.  
Pregnancy: Values ranging from 0.05 - 4.0 mIU/L are expected. Trimester-specific ranges aren't available.  
Testing was performed by Access TSH (3rd IS).

Male/Female < 30 d: This assay is not validated for measuring neonatal TSH levels. Testing was performed by Access TSH (3rd IS).

Please call Dr. Greg Bocsi at 720-848-7050 if you have any questions or visit our website at <https://www.uchealth.org/professionals/uch-clinical-laboratory/> for additional information.

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