
LAB ALERT

Date: December 3, 2018

Reference Interval Update for TSH in Infants, Children and Adolescents

Dear Regional Pathology Services Clients,

Beginning December 4, 2018, we will institute normal reference intervals for TSH (Test Code: UTSH) in infants, children and adolescents to facilitate interpretation and management in patients less than 18 years of age. TSH reference ranges are not established for pregnant women. Previously, the laboratory only provided reference intervals for TSH in adult patients. The new reference intervals are shown below.

TSH Reference Intervals uIU/mL	
0 to 30 days	0.700 – 18.100
>30 days to 1 year	1.120 – 8.210
>1 year to 5 years	0.800 – 6.260
>5 years to 10 years	0.800 – 5.400
>10 years to 14 years	0.700 – 4.610
>14 years to 18 years	0.500 – 4.330
>18 years	0.400 – 4.300

These reference intervals are literature-derived values and reference Kapelari K., Kirchlechner C., Holger, W. et. Al. (2008) Pediatric Reference Intervals for Thyroid Hormone Levels from Birth to Adulthood: A Retrospective Study. BMC Endocrine Disorders 8:15.

If you have questions about these changes please contact client services at 402-559-6420 and ask to speak with one of the client coordinators.