

# News

## Clinical Laboratory Test Update

### Testosterone Reference Range Update

Effective September 5, 2017, Testosterone reference ranges will be updated to reflect a manufacturer's reagent reformulation, which will be traceable to the CDC Hormone Standardization Program Testosterone Reference Measurement Procedure primary testosterone standard. Testosterone is currently measured by immunoassay in the UCH Clinical Laboratory; low levels of testosterone typical of women and children are better quantified by mass spectrometry.

	Prior Reference Range	Improved Reference Range
Male	241 – 827 ng/dL	<p>Male ≥ 50: 86.98 - 780.10 ng/dL  Male 22 - 49: 123.06 - 813.86 ng/dL  Male 16 - 21: 113.19 - 882.10 ng/dL  Male 15: 127.21-849.36 ng/dL  Male 14: 20.35 - 777.38 ng/dL  Male 13: 8.19 - 582.87 ng/dL  Male 12: ≤ 562.42 ng/dL  Male 11: ≤ 353.00 ng/dL  Male &lt; 11: See interpretation...  Interpretive comment:  Reference Interval for Male Tanner Stage 1:  &lt;47.43 ng/dL  Testosterone was measured by immunoassay, but low levels in children are better quantified by mass spectrometry.</p>
Female	14 – 76 ng/dL	<p>Female &gt;60: ≤45.62 ng/dL  Female 46 - 60: ≤ 47.94 ng/dL  Female 22-45: 9.01 - 47.94 ng/dL  Female 16 - 21: 15.06 - 42.41 ng/dL  Female 11 - 15: ≤ 38.92 ng/dL  Female &lt; 11: See interpretation...  Interpretive comment:  Reference Interval for Female Tanner Stage 1:  &lt;89.56 ng/dL</p>

	Prior Reference Range	Improved Reference Range
		Testosterone was measured by immunoassay, but low levels in children are better quantified by mass spectrometry.

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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