

Free and Total Testosterone Testing for Adult Males

Effective Date: August 9, 2016

As of August 9, 2016, samples for free testosterone in adult males are being sent out to Mayo Medical Laboratories for testing by equilibrium dialysis/tandem mass spectrometry. This process replaces testing previously performed at Beaumont, Royal Oak, by radioimmunoassay (RIA). Specimen requirements and reference ranges have changed as follows:

SOFT Code: XTGRP

EPIC Code: LAB7007

	<u>Testosterone, free (ng/dL) – Previous (RIA)</u>	<u>Testosterone, free (ng/dL) - NEW (Mayo)</u>
Specimen Volume	2.5 mL blood or one SST (0.5 mL serum minimum)	5.0 ML blood or two SST (1.0 mL serum minimum)
	18-49 years: 0.95-4.3 >50 years: 0.8-3.5	20 - <25 years: 5.25-20.7 25 - <30 years: 5.05-19.8 30 - <35 years: 4.85-19.0 35 - <40 years: 4.65-18.1 40 - <45 years: 4.46-17.1 45 - <50 years: 4.26-16.4 50 - <55 years: 4.06-15.6 55 - <60 years: 3.87-14.7 60 - <65 years: 3.67-13.9 65 - <70 years: 3.47-13.0 70 - <75 years: 3.28-12.2 75 - <80 years: 3.08-11.3 80 - <85 years: 2.88-10.5 85 - <90 years: 2.69-9.61 90 - <95 years: 2.49-8.76 95 -100+ years: 2.29-7.91

**Please note the increase in specimen volume required for the new test.
Total Testosterone will also be reported at no charge.**

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

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

Date submitted:

August 23, 2016

Submitted by:

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Beaumont Laboratory

Customer Service

1-800-551-0488