

# News

## Clinical Laboratory Test Update

### Free Testosterone

The University of Colorado Hospital Clinical Laboratory offers testing for Free Testosterone.

Free Testosterone is a calculated test that includes quantitative Total Testosterone by LCMS and quantitative Sex Hormone Binding Globulin (SHBG) by chemiluminescent microparticle immunoassay (CMIA).

Orders for Free Testosterone require all components to calculate results using the Vermuelen formula. Any alteration of these components at the time of order will result in incomplete information for the calculation and will not include the Free Testosterone result.

Test name	Testosterone Free
EAP	LAB5500
Collect	One 6 mL serum separator tube (gold top or red top) Minimum volume: 1.0 mL serum
Storage/Transport	Internal: Deliver to lab immediately.
	Offsite: Allow specimen to clot 30 minutes, centrifuge, transport to lab at 2-8 °C.
Stability	Prior to centrifugation: Ambient, 2 hours Serum aliquot: Ambient, 24 hours; Refrigerated at 2-8 °C, 7 days; Frozen at -20 °C, 3 months.
Method	Free Testosterone calculated test results includes test results for Total Testosterone by Liquid Chromatography/Tandem Mass Spectrometry (LCMS).and Sex Hormone Binding Globulin (SHBG) by chemiluminescent microparticle immunoassay (CMIA).
Performed	Monday through Friday
Reported	2 - 3 days
CPT	Sex Hormone Binding Globulin, 84270 Total Testosterone, 84403 Free Testosterone, no charge

Please call Geza Bodor, MD at 720-848-6032 if you have any questions or visit our test directory at <https://www.testmenu.com/universityhospital> for additional information.

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