

MEMORANDUM

To: Regional Medical Laboratory (RML) Clients
From: Caitlin Schein, MD, Chief of Chemistry and LCMS
 Ryan Hatley, MHA, C(ASCP), Manager of Chemistry and LCMS
Date: March 1, 2017
Subject: Testosterone Test Offerings

Regional Medical Laboratory is pleased to announce new in-house test offerings for serum Testosterone by Liquid Chromatography-Tandem Mass Spectrometry (LC-MS/MS). The improved sensitivity of this new methodology allows for accurate measurement of low testosterone levels which cannot be accurately measured via immunoassay methods. Patient demographics suited for this testing include women, children, hypogonadal men, or patients undergoing anti-androgenic therapies. Calculation of free and bioavailable testosterone using LC-MS/MS total testosterone and measured Sex Hormone Binding Globulin (SHBG) are also available. Standard testosterone immunoassay testing will also continue to be available for adult men. Please see the table below for a list of testosterone testing available through RML and applicable updates. Test build information will be sent out to our interfaced clients via Livewire. CPT codes will remain the same.

OLD TEST	NEW TEST	METHODOLOGY	PERFORMING LAB	NOTES
Testosterone Total, Female/Child TC # 3610975	Testosterone Total by LCMS TC # 3602651	LC-MS/MS	RML	Available for females and males of all ages
Testosterone Free, Total, SHBG Female/Child TC # 3610825	Testosterone Free/Total w/SHBG by LCMS TC # 3602546	LC-MS/MS	RML	Available for females and males of all ages
Testosterone Free, Total, SHBG with Bioavailable, Female/Child TC # 3700325	Testosterone Free/Total/Bioavailable w/SHBG by LCMS TC # 3602691	LC-MS/MS	RML	Available for females and males of all ages
Testosterone Free, Female/Child TC # 3610875	Exact match not offered; Crosswalk to TC # 3602546	LC-MS/MS	RML	Free testosterone is a calculated result derived from the total testosterone and SHBG measurements.
Testosterone Total, Male TC # 3602650	No Change	Immunoassay	RML	Available for adult men only
Testosterone Free and Total, Male TC # 3608125	No Change	ED LC-MS/MS	Reference Lab	Available for adult men only
Testosterone Free, Total, SHBG, Male TC # 3602545	No Change	Immunoassay	RML	Available for adult men only
Testosterone Free, Total, SHBG with Bioavailable, Male TC# 3602547	No Change	Immunoassay	RML	Available for adult men only

For further details, including specimen requirements and reference ranges, please visit our website at www.RMLonline.com. If you have any questions or concerns, please contact either Dr. Caitlin Schein or Ryan Hatley, at 918-744-2553.