



Memorandum Core #178

To: UNC Hospital Physicians, Eastowne, and Hillsborough Hospital

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MO Marsha Owens, Supervisor Referral Testing Services

Date: October 28th, 2021

Subject: Laboratory Changes in Total and Free Testosterone by LC-MS/MS

Due to assay performance issues, Mayo Clinic Laboratories is temporarily suspending testing for Total and Free Testosterone via equilibrium dialysis and mass spectrometry. Beginning Monday October 25 2021, all orders for Total and Free Testosterone will be sent to Quest Diagnostics.

Reference ranges and units for free testosterone will change by a factor of 10. As a result, new free testosterone orders will not trend with old results. Results from different laboratories should not be used interchangeably. Reference ranges for total testosterone will also change. Both methods use equilibrium dialysis followed by mass spectrometry.

	Mayo Units (previous)	Quest Units (new)
Free Testosterone	ng/dL	pg/mL

Specimen type and ordering will not be change in EPIC.

Notification about the change from Mayo Clinic Laboratories can be found here <https://www.mayocliniclabs.com/test-notifications/attachment.php?id=70727>

If you have any questions or concerns please contact:
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