

MEMORANDUM

TO: Regional Medical Laboratory Clients

FROM: Lawrence Johnson, MD, FCAP, FASCP, Chief of Hematology, Coagulation, Urinalysis, and Flow Cytometry
Jennifer Starks, MT(ASCP), Section Manager

DATE: April 3, 2014

SUBJECT: Antithrombin 3 Antigen

Test Name: Antithrombin 3 Antigen
Order Mnemonic: **THROMB3 AG**
Test Number: **1500600**
CPT Code: **85301** (*corrected cpt code from printed memo*)
LOINC Code: 3175-7

Regional Medical Laboratory (RML) will begin offering antithrombin 3 (AT3) Antigen Assay by immunologic method on March 31, 2014. The test will compliment the AT3 Functional Activity Assay currently performed at RML. While heparin affects the results of the AT3 Functional Activity Assay, heparin should not affect the AT3 Antigen Assay.

Antithrombin (AT) is a glycoprotein synthesized in the liver that acts as an inhibitor of thrombin, factor Xa and to a lesser extent factors IXa, XIa, XIIa, plasmin, and kallikrein. A deficiency of AT3 is considered a risk factor for venous thromboembolism.

While bringing this test in house, it is important to note that the reference range and units of measure previously reported by our outside reference laboratory will change with the test being performed at RML due to a change in methodology.

Previous reference range: 19-30 mg/dL

New reference range: 80-120%

If you have any questions regarding this change, please contact Dr. Lawrence Johnson at (918) 744-2553 or Jennifer Starks, MT (ASCP) at (918) 744-2500 or 1-800-722-8077 or email lrjohnson@sjmc.org or jennifer.starks@sjmc.org.