

MEMORANDUM

TO: Regional Medical Laboratory Clients

FROM: William Fitter, MD, Chief of Clinical Chemistry
Mary Pille, BS MT (ASCP) SBB, Section Manager of Immunology and Chemistry

DATE: June 25, 2014

SUBJECT: **Cystatin C assay**

Regional Medical Laboratory is pleased to announce the availability of Cystatin C assay in-house. This assay will be performed by a turbidimetric method.

Cystatin C is a 13kDa, non-glycosylated endogenous cysteine protease inhibitor. Cystatin C is freely filtered by the glomeruli and is almost completely reabsorbed and metabolized by the proximal tubular cells. It is produced by all nucleated cells at a constant rate and is not affected by age, gender, muscle mass or inflammatory processes; this makes Cystatin C an ideal marker of glomerular filtration rate (GFR) and has been shown to be superior to creatinine as marker for GFR in several studies.

Test Name: Cystatin C
Order Mnemonic: **CYSTATIN C**
Test # **3623775**
CPT code 82610
LOINC 33863-2

Reference range: 0.50 - 1.0 mg/L

Samples may be serum or lithium heparin plasma. Serum/plasma should be separated from the red cells within 2 hours of collection and refrigerated. The expected TAT is 3-4 days.

If you have questions or concerns, please feel free to contact either Dr William Fitter at 918-744-2555, ext 15525, wfitter@sjmc.org or Mary Pille, at 918-744-2555 ext 15788, Mary.Pille@sjmc.org

References: Binding Site assay insert SIN 126, version 10/17/2011
Kidney International Supplement 2013, 3:1-150