

TEST OBSOLETE

NOTIFICATION DATE: April 4, 2013 **EFFECTIVE DATE:** June 3, 2013

CYSTATIN C, SERUM Test ID: CSTC Secondary ID: 82994

EXPLANATION: Effective June 3, 2013, due to enhancements made to Cystatin C testing, MML will obsolete test CSTC, Cystatin C, Serum. Alternatively, clients may order code CYSTC, Cystatin C with Estimated GFR, Serum, which incorporates a new reporting field for Estimated GFR (eGFR), an enhanced reference range, and an extension of the reportable range.

RECOMMENDED ALTERNATIVE TEST: CYSTC, Cystatin C with Estimated GFR, Serum

USEFUL FOR:

Cystatin C:

- As an index of glomerular filtration rate, especially in patients where serum creatinine may be misleading (eg, very obese, elderly, and malnourished patients)
- Assessing renal function in patients suspected of having kidney disease
- Monitoring treatment response in patients with kidney disease

eGFR:

- As an index of GFR, especially in patients where serum creatinine may be misleading (eg, very obese, elderly, and malnourished patients). For such patients use of CKD-EPI cystatin C equation is recommended to estimate GFR.
- Assessing renal function in patients suspected of having kidney disease
- Monitoring treatment response in patients with kidney disease.

REFERENCE VALUES:

Cystatin C:

Males:

0 days to 22 years no reference values established

23-29 years 0.60-1.03 mg/dL

30-39 years 0.64-1.12 mg/dL

40-49 years 0.68-1.22 mg/dL

50-59 years 0.72-1.32 mg/dL

60-69 years 0.77-1.42 mg/dL

70-79 years 0.82-1.52 mg/dL

> 79 years no reference values established

Females:

0 days to 22 years no reference values established

23-29 years 0.57-0.90 mg/dL

30-39 years 0.59-0.98 mg/dL

40-49 years 0.62-1.07 mg/dL

50-59 years 0.64-1.17 mg/dL

60-69 years 0.66-1.26 mg/dL

70-80 years 0.68-1.36 mg/dL

81-86 years 0.70-1.45 mg/dL

> 86 years no reference values established

eGFR:

>60 ml/min/BSA

eGFR will not be calculated for patients under 18 years

NOTE: Cystatin C based eGFR may differ substantially from creatinine-based eGFR in patients with abnormal muscle mass or acutely changing renal function. Please interpret together with relevant clinical features.

SPECIMEN REQUIREMENTS:

Container/Tube:

Preferred: Serum gel

Acceptable: Red top

Specimen Volume: 0.5 mL

CPT CODES: 82610

DAY(S) SET UP: 1 day **ANALYTIC TIME:** 24 hours per day, 7 days per week

QUESTIONS: Contact your Mayo Medical Laboratories' Regional Manager or Richard R. Einerson, MML Laboratory Technologist Resource Coordinator Telephone: 800-533-1710