



**CYSTATIN C WITH ESTIMATED GFR, SERUM**  
**TEST ID: CYSTC**

**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.

**METHODOLOGY:** Immunoturbidimetric

**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

**SPECIMEN STABILITY INFORMATION:**

Specimen Type	Temperature	Time
Serum	Refrigerated (preferred)	168 hours
	Ambient	168 hours
	Frozen	168 hours

**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