

**CYTOMEGALOVIRUS (CMV) DNA DETECTION AND QUANTIFICATION  
BY REAL-TIME PCR, PLASMA**  
Test ID: CMVQN

**USEFUL FOR:**

- Detection and quantification of cytomegalovirus (CMV) viremia
- Monitoring CMV disease progression and response to antiviral therapy

**METHOD:** Reverse Transcription-Polymerase Chain Reaction (RT-PCR)

**REFERENCE VALUES:** Undetected

**SPECIMEN REQUIREMENTS:**

**Collection Container/Tube:** Lavender top (EDTA plasma)

**Submission Container/Tube:** Polypropylene vial (T465)

**Specimen Volume:** 1.5 mL

**Collection Instructions:**

1. Centrifuge blood collection tube per manufacturer's instructions.
2. Pour off plasma into aliquot tube.

**Minimum Volume:** 0.6 mL

**SPECIMEN STABILITY INFORMATION:**

Specimen Type	Temperature	Time
Plasma EDTA	Frozen (preferred)	84 days
	Refrigerated	6 days

**CAUTIONS:** Cytomegalovirus (CMV) viral load results generated with this assay may be higher (up to 1.00 log IU/mL) than those from the previous Cobas AmpliPrep / Cobas TaqMan CMV Test (Roche Molecular Systems, Inc.), due to differences in the sensitivity of the assays.

Mutations within the highly-conserved regions of the CMV DNA polymerase (*UL54*) gene covered by cobas CMV may affect primers or probe binding resulting in the under-quantitation of virus or failure to detect the presence of virus. The cobas CMV assay mitigates this risk through the use of redundant CMV target sequence amplification primers.

**CPT CODE:** 87497

**DAY(S) SET UP:** Monday through Saturday;  
7 a.m.-4 p.m.

**ANALYTIC TIME:** Monday through Thursday, 1  
day; Friday and Saturday, 3 days

**QUESTIONS:** Contact your Mayo Medical Laboratories' Regional Manager or  
Danielle Anderson, MML Laboratory Technologist Resource Coordinator  
Telephone: 800-533-1710