

Client: Example Client ABC123  
123 Test Drive  
Salt Lake City, UT 84108  
UNITED STATES

Physician: Doctor, Example

**Patient: Patient, Example**

**DOB:** 3/5/1964  
**Gender:** Male  
**Patient Identifiers:** 01234567890ABCD, 012345  
**Visit Number (FIN):** 01234567890ABCD  
**Collection Date:** 00/00/0000 00:00

**Cytomegalovirus, Quantitative PCR with Reflex to Drug Resistance Testing by Sequencing**

ARUP test code 2006966

Cytomegalovirus Quant by PCR, Cpy/mL 59,300 cpy/mL

Cytomegalovirus Quant by PCR, Log Cpy/mL 4.8 log cpy/mL

INTERPRETIVE INFORMATION: Cytomegalovirus, Quantitative PCR

The quantitative range of this assay is 2.6- 6.6 log copies/mL (390-3,900,000 copies/mL) or 2.4- 6.4 log IU/mL (227- 2,270,000 IU/mL).

1 IU/mL of CMV DNA is approximately 1.72 copies/mL.

A negative result (less than 2.6 log copies/mL or less than 390 copies/mL; less than 2.4 log IU/mL or less than 227 IU/mL) does not rule out the presence of PCR inhibitors in the patient specimen or CMV DNA concentrations below the level of detection of the assay. Inhibition may also lead to underestimation of viral quantitation.

Test developed and characteristics determined by ARUP Laboratories. See Compliance Statement A: aruplab.com/CS

Cytomegalovirus Quant by PCR, IU/mL 34,500 IU/mL

Cytomegalovirus Quant by PCR, Log IU/mL 4.5 log IU/mL

Cytomegalovirus Quant by PCR, Interp **Detected** \* (Ref Interval: Not Detected)

Cytomegalovirus Antiviral Drug Resistance by Sequencing added. Additional charges apply.

**Cytomegalovirus Antiviral Drug Resistance by Sequencing**

ARUP test code 2004760

CMV Cidofovir Resistance Sensitive

H=High, L=Low, \*=Abnormal, C=Critical

CMV Foscarnet Resistance

Sensitive

CMV Ganciclovir Resistance

Sensitive

INTERPRETIVE INFORMATION: CMV Antiviral Resistance

Codons 457-630 of the UL97 gene and codons 393-1000 of the UL54 gene are sequenced. Mutations associated with resistance to ganciclovir, cidofovir, and foscarnet are reported. Mutations in viral sub-populations below 20 percent of total may not be detected.

Test developed and characteristics determined by ARUP Laboratories. See Compliance Statement B: aruplab.com/CS

VERIFIED/REPORTED DATES

Procedure	Accession	Collected	Received	Verified/Reported
Cytomegalovirus Quant by PCR, Cpy/mL	19-213-142632	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Cytomegalovirus Quant by PCR, Log Cpy/mL	19-213-142632	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Cytomegalovirus Quant by PCR, IU/mL	19-213-142632	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Cytomegalovirus Quant by PCR, Log IU/mL	19-213-142632	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Cytomegalovirus Quant by PCR, Interp	19-213-142632	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
CMV Cidofovir Resistance	19-213-142632	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
CMV Foscarnet Resistance	19-213-142632	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
CMV Ganciclovir Resistance	19-213-142632	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00

END OF CHART

H=High, L=Low, \*=Abnormal, C=Critical