

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

Physician: Doctor, Example

Patient: Patient, Example

DOB: 2/5/1982
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 81,300 cpy/mL

Cytomegalovirus Quant by PCR, Log Cpy/mL

4.9 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.

This test was developed and its performance characteristics determined by ARUP Laboratories. It has not been cleared or approved by the US Food and Drug Administration. This test was performed in a CLIA certified laboratory and is intended for clinical purposes.

Cytomegalovirus Quant by PCR, IU/mL 47,200 IU/mL

Cytomegalovirus Quant by PCR, Log IU/mL 4.7 log IU/mL

Cytomegalovirus Quant by PCR, Interp

Detected * (Ref Interval: Not Detected)

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

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

Cytomegalovirus Antiviral Drug Resistance by Sequencing

ARUP test code 2004760

| | |
|----------------------------|--|
| CMV Cidofovir Resistance | Sensitive |
| CMV Foscarnet Resistance | Sensitive |
| CMV Ganciclovir Resistance | <p>Resistant</p> <p>The following deletion was detected in the UL97 region: del1598-603. Deletions in this region generally confer moderate ganciclovir resistance. (Kotton et al. 2013. Transplantation 96:333-60)</p> <p>INTERPRETIVE INFORMATION: CMV Antiviral Resistance</p> <p>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.</p> <p>This test was developed and its performance characteristics determined by ARUP Laboratories. It has not been cleared or approved by the US Food and Drug Administration. This test was performed in a CLIA certified laboratory and is intended for clinical purposes.</p> |

| VERIFIED/REPORTED DATES | | | | |
|--|---------------|------------------|------------------|-------------------|
| Procedure | Accession | Collected | Received | Verified/Reported |
| Cytomegalovirus Quant by PCR, Cpy/mL | 21-194-400886 | 00/00/0000 00:00 | 00/00/0000 00:00 | 00/00/0000 00:00 |
| Cytomegalovirus Quant by PCR, Log Cpy/mL | 21-194-400886 | 00/00/0000 00:00 | 00/00/0000 00:00 | 00/00/0000 00:00 |
| Cytomegalovirus Quant by PCR, IU/mL | 21-194-400886 | 00/00/0000 00:00 | 00/00/0000 00:00 | 00/00/0000 00:00 |
| Cytomegalovirus Quant by PCR, Log IU/mL | 21-194-400886 | 00/00/0000 00:00 | 00/00/0000 00:00 | 00/00/0000 00:00 |
| Cytomegalovirus Quant by PCR, Interp | 21-194-400886 | 00/00/0000 00:00 | 00/00/0000 00:00 | 00/00/0000 00:00 |
| CMV Cidofovir Resistance | 21-194-400886 | 00/00/0000 00:00 | 00/00/0000 00:00 | 00/00/0000 00:00 |
| CMV Foscarnet Resistance | 21-194-400886 | 00/00/0000 00:00 | 00/00/0000 00:00 | 00/00/0000 00:00 |
| CMV Ganciclovir Resistance | 21-194-400886 | 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

Unless otherwise indicated, testing performed at: