

CYTOMEGALOVIRUS (CMV) PCR, QUANTITATIVE

CYTOMEGALOVIRUS (CMV) PCR,
QUANTITATIVE
(Real Time PCR)

copies / mL

Interpretation

RESULT in copies/mL	REMARKS
<600	CMV DNA below the lower limit of linear range of the assay.
>=600 to 100,000	CMV DNA detected within the linear range of the assay
>100,000	CMV DNA detected above the linear range of the assay
Indeterminate	Presence of inhibitors in the sample

Note:

1. All Indeterminate results should be retested
2. The linear range of the assay is 600-100,000 copies / mL
3. Test conducted on Plasma

Comments

Cytomegalovirus (CMV) formally designated as Human Herpes Virus 5 (HHV-5) belongs to the family Herpesviridae. It has a worldwide distribution and infects humans of all ages with no seasonal or epidemic patterns of transmission. Seroprevalence of CMV increases with age ranging from 40-100%; highest being among lower socioeconomic groups. The infections can be congenital, perinatal or postnatal. CMV is the most common intra-uterine infection detected in 0.2-2.5% newborn infants. CMV infection in transplant recipients has been associated with delayed or failed graft, increased incidence of graft versus host disease and increased risk of graft rejection. It is recommended to screen organ donors for asymptomatic CMV infection.

Uses

- In the diagnosis and monitoring of CMV infections
- Continued surveillance of immunocompromised patients
- Evaluation of therapeutic efficacy of antiviral drugs