

7. Proposed Device Performance characteristics:

Precision:

Precision of the OPUS Anti-CMV test system was evaluated on the OPUS Immunoassay System. Assay precision was determined by the evaluation of reactive and nonreactive calibrator signals (assay value/cutoff) and individual clinical specimen signals.

Intra-assay precision %CV's ranged from 5.8-20%.

Inter-assay precision %CV's ranged from 8.9-21.4%.

Interfering Substances:

Levels of the following do not appear to interfere with the OPUS Anti CMV assay:

	Up to:
total protein	11.5 g/dL
triglycerides	780 mg/dL
cholesterol	450 mg/dL
hemoglobin	1000 mg/dL
immunoglobulins	16000 mg/dL
bilirubin	25.4 mg/dL
Rheumatoid factor	567 IU/mL
ANA	1:640
Epstein-Barr	3.33 (signal/cutoff)
herpes simplex I/II	I=3.64/II=2.17 (signal/cutoff)
Herpes-Zoster	2.31(signal/cutoff)
HBsAG	118 (signal/cutoff)
Elevated IgM	1550 (signal/cutoff)
Anti-HIV Positive	(western blot confirmed)
Anti-HCV positive	>4.505 signal over range
Anti-HAV positive	26.000 (signal/cutoff)

Accuracy by Correlation:

Results of comparative studies using the OPUS Anti CMV assay and the Abbott CMV test in both preselected and blood donor populations ranged from a relative sensitivity of 96.6-97.7% and a relative specificity of 100% respectively.

Expected Values:

Based on the studies performed in blood and plasma donor centers using the OPUS Anti CMV assay, the expected CMV antibody positive frequency for the population tested is 27.4% in Massachusetts, 14.4% in Florida and 30.6% in Illinois.