

MICROGEN BIOPRODUCTS LTD



MERCIA CMV G

MERCIA CMV-G IS AN ENZYME IMMUNOASSAY (EIA) FOR THE *IN-VITRO* DETECTION AND SEMI-QUANTIFICATION OF IgG ANTIBODIES TO CYTOMEGALOVIRUS IN HUMAN SERUM OR PLASMA.

Features include:

- Suitable for serum & plasma
- Flexible 8 well strip format
- Colour coded reagents
- Ready-to-use controls.
- Excellent discrimination between positives and negatives
- Suitable for automation.
- Assay time < 3 hours.

Protecting Food and Health

MICROGEN BIOPRODUCTS LTD

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M507CE Mercia CMV-G

Cytomegalovirus (CMV) is one of the 7 Herpetoviridae pathogenic to man. CMV ubiquitous, species-specific and spread by close contact.

Primary CMV infection can be acquired through several routes (eg congenital, post-natal) and following primary infection the virus enters a latent phase where it can only be found in B lymphocytes.

Secondary CMV infection is a subsequent reactivation of the virus possibly in line with changes in the relationship between host and virus e.g. pregnancy, severe illness, immunosuppression or stress.

If a seronegative woman is infected during pregnancy, the sequelae can be abortion, stillbirth or neonatal malformation. The clinical picture of congenital infection is always severe with a high mortality rate.

Post natal infection is typically through close contact with infected biological fluids, infected blood products and occasionally organ transplants. In immunocompetent patients, mild symptoms may be seen but in immunocompromised patients the symptoms may be severe due to disseminated and / or visceral infection which may be fatal.

The Mercia CMV-G assay has been standardised against the proposed WHO International Standard (CLB The Netherlands).

Study at a UK Reference Laboratory

		Commercial CMV-G		Commercial CMV-TA	
		+	-	+	-
Mercia CMV-G	+	153	1	153	1
	-	1	133	8*	126

Sensitivity:
99.3%

Sensitivity: 95%
Specificity:

* these 8 sera indicate that CMV-G assays are not a direct replacement for CMV-TA assays.

Code	M507CE
Description	Mercia CMV-G
Size	96T
Storage	2-8°C