

MICROGEN BIOPRODUCTS LTD



MERCIA CMV-M M407CE

MERCIA CMV-M IS AN ANTIBODY CLASS CAPTURE IMMUNOSORBENT ASSAY FOR THE DETECTION OF CYTOMEGALOVIRUS (CMV)-SPECIFIC IGM IN HUMAN SERUM

Features include:

- Suitable for serum
- Flexible 8 well strip format
- IgM capture technology – reduces interference from rheumatoid factor or co-specific IgG
- Colour coded reagents
- Ready-to-use controls.
- Excellent discrimination between positives and negatives
- Suitable for automation.
- Assay time < 3 hours.

Protecting Food and Health

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Mercia CMV-M is an antibody class capture immunosorbent assay for the detection of Cytomegalovirus (CMV)-specific IgM in human serum.

Rabbit antibody specific for the μ -chain of human antibodies is coated on the wells of microtitre plates. These antibodies will bind specifically to any human IgM present in the diluted sample.

Purified CMV antigens labelled covalently to peroxidase (conjugate) will complex to the captured CMV-specific IgM.

The conjugate acts as the indicator for the immunological reaction between the CMV antigen in the conjugate and the CMV-specific human IgM captured on the wells of the microtitre plate.

TMB that acts as a chromogen will give colour proportionally to the amount of CMV-specific IgM captured.

Human CMV belongs to the Herpes virus group and can cause latent infections. The majority of individuals are infected with CMV at some time during their lives with infection, reinfection or reactivation being asymptomatic in normal adults and children. Serious illness can occur in cancer and immunosuppressed patients as a result of intrauterine or perinatal infections.

In primary infections the detection of CMV-specific IgM and IgA is the best diagnostic criterion.

Comparison of 5 Commercial Assays

True status*	Mercia CMV M		Biokit (Launch)		Sorin		Trinity (Captia)		Abbott IMX	
	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg
Pos	58	2	55	6	49	12	59	2	52	8
Neg	6	268	3	270	10	263	15	258	24	237
Sens	96.7%		90.2%		80.3%		96.7%		86.7%	
Spec	97.8%		98.9%		96.3%		94.5%		90.8%	

Code M407CE
Description Mercia CMV-M
Size 96T
Storage 2-8°C