

MICROGEN BIOPRODUCTS LTD



MERCIA RUBELLA M M406CE

MERCIA RUBELLA M IS AN ANTIBODY CLASS CAPTURE IMMUNOSORBENT CLASS CAPTURE IMMUNOSORBENT ASSAY FOR THE DETECTION OF RUBELLA-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

MICROGEN BIOPRODUCTS LTD

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

The conjugate acts as the indicator for the immunological reaction between the Rubella antigen in the conjugate and the Rubella-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 Rubella-specific IgM captured.

Rubella infection is a common contagious disease with mild constitutional symptoms and a generalised rash. In childhood it is an unsequential illness but when it occurs during pregnancy there is significant risk of severe damage to the foetus. Congenital infection arises from maternal viraemia with the risk to the foetus being highest during the first trimester. There is a significant risk of susceptible women of childbearing age to contract Rubella during pregnancy and pass the virus to the foetus. Serological diagnosis of Rubella infection can be achieved by detection of Rubella-specific IgM

Comparison of 4 Commercial Assays

	Mercia Rubella M		Organon		AxSYM		Vidas	
	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg
Pos	19	2	17	4	12	2	20	1
Neg	1	227	10	218	46	186	3	216
Sens	90.5%		81%		85.8%		95.2%	
Spec	99.6%		95.6%		80.2%		98.6%	
Accuracy	98.8%		94.4%		80.5%		98.3%	

Code M406CE
Description Mercia Rubella M
Size 96T
Storage 2-8°C