



Excellence in Pathology and Laboratory Services

Test Update

From Your Laboratory Service Provider, PathGroup Labs

Testing Platform change for Measles, Mumps and Varicella-zoster IgG

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This change will take effect June 28, 2010

Overview and Clinical Utility:

Effective June 28, 2010 PathGroup Labs will begin performing Measles IgG, Mumps IgG and Varicella - zoster IgG testing in house on the BioPlex 2200. The BioPlex 2200 MMRV IgG kit uses multiplex flow immunoassay, a methodology that greatly resembles traditional EIA, but permits simultaneous detection and identification of many antibodies in a single tube to identify the presence of IgG class antibodies associated with Measles, Mumps, and Varicella-zoster.

Test Methodology: Multiplex Flow Immunoassay

Ordering:

Test name	Test Code	CPT	LOINC
Measles IgG	MEASG	86765	22502-9
Mumps IgG	MUMPG	86735	22417-0
Varicella-zoster IgG	VZG	86787	22602-7

New Methodology: Multiplex Flow Immunoassay	Previous Methodology: ELISA
Measles IgG: ≤ 0.8 AI – Negative 0.9 - 1.0 AI – Equivocal ≥ 1.1 AI – Positive	Measles IgG: < 0.9 IU – Negative ≥ 0.9 - <1.1 IU - Equivocal ≥1.1 IU – Positive
Mumps IgG: ≤ 0.8 AI – Negative 0.9 - 1.0 AI – Equivocal ≥ 1.1 AI – Positive	Mumps IgG: < 0.9 IU – Negative ≥ 0.9 - <1.1 IU - Equivocal ≥1.1 IU – Positive
Varicella-zoster IgG: ≤ 0.8 AI – Negative 0.9 - 1.0 AI – Equivocal ≥ 1.1 AI – Positive	Varicella-zoster IgG: < 0.9 IU – Negative ≥ 0.9 - <1.1 IU - Equivocal ≥1.1 IU – Positive

Specimen Collection and Storage:

- 1) Collect specimen in a serum separator tube (SST).
 - a) Allow serum tube to clot for 30 minutes.
 - b) Spin serum separator tube 10-15 minutes @ 3500 rpm.
- 2) Serum specimens are stable refrigerated for 7 days or frozen for 30 days.

Test Performed:

Monday – Friday

Turnaround time:

1-2 days

For further questions, please contact Client Services at 615-562-9300 or 1-888-474-5227.