Infectious Disease

Cytomegalovirus IgG, IgM, IgG Avidity II

Total automation for accurate staging of infection during pregnancy

DiaSorin

The Diagnostic Specialist

FOR OUTSIDE THE US AND CANADA ONLY

Confidence in Your Results

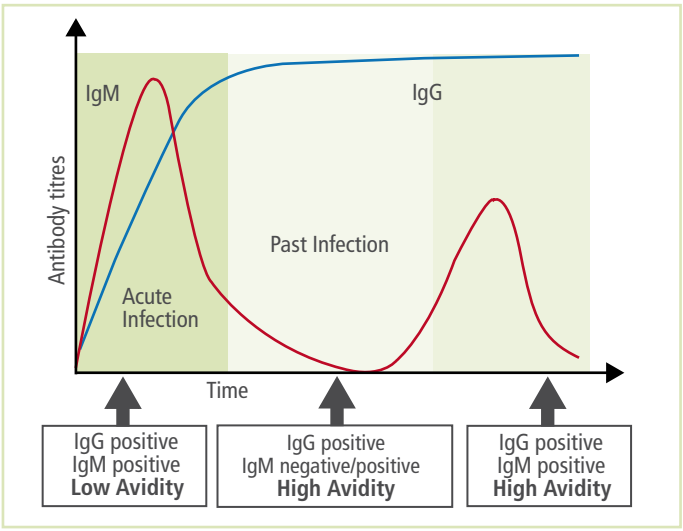
LIAISON®

Cytomegalovirus IgG, IgM, IgG Avidity II

Acute infection or reactivation? LIAISON® CMV assay panel is the solution

Human Cytomegalovirus (hCMV) is the most common cause of viral intrauterine infection. Fetal damage is mostly due to maternal primary infection. Intrauterine transmission of CMV is significantly reduced in immunoprotected mothers compared to primary infections contracted during pregnancy (< 2% vs 40-50%, respectively). As infections are either asymptomatic or accompanied by symptoms which are non-specific for CMV, laboratory techniques are the sole means of diagnosing acute infections. However, the establishment of primary infection as opposed to reactivation, chronic infection, IgM persistency or polyclonal stimulation may be difficult on the basis of current classical CMV IgM and IgG detection.

DiaSorin LIAISON® serology line has been developed to solve diagnostic ambiguities. Sensitive and quantitative CMV IgM, with highly specific and quantitative CMV IgG, both complemented by CMV avidity determination in a fully automated LIAISON® assay environment, will allow the laboratory to report clear and unequivocal results.Positive IgM and low-avidity IgG are suggestive of primary infection, whereas high-avidity IgG indicates IgM presence due to persistency or reactivation. In addition, to avoid misinterpretation of positive, yet low IgM responses in primary infection, the IgM test will point to the need of IgG avidity determination to overrule primary infection.



IgG	IgM	Avidity	Diagnosis
Negative	Negative		No infection
Positive	Positive	Low	Possible Acute infection
Positive	Positive	High	Reactivation/ Past infection
Positive	Negative		Past infection

Main Features of LIAISON® CMV assays

- Number of tests: 100 (IgG avidity: 25 tests)
- Solid phase: CMV immunodominant antigens (pp28, pp150, pp52)
- Label: Isoluminol derivative
- Method: CLIA
- Quantitative IgG and IgM Assays
- Sample type: IgG and IgM Assays. Serum/Plasma
  Post-mortem specimens have been tested and may be also used in the IgG and IgM assays
- Sample type: Avidity assays. Serum/Plasma

Flexibility enables quick and accurate results

- High throughput
- Reagent stability on board: 8 weeks
- Two-point recalibration, stable for 8 weeks
- Sample volume: 20-30 µL

Ordering information

LIAISON® CMV IgG II (code 310745)
LIAISON® CMV IgM II (code 310755)
LIAISON® CMV IgG Avidity II (code 310765)

LIAISON® Control CMV IgG II (code 310746)
LIAISON® Control CMV IgM II (code 310756)
LIAISON® Control CMV IgG Avidity II (code 310766)

AVAILABLE ON LIAISON® SYSTEMS

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Product availability subject to required regulatory approval.

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