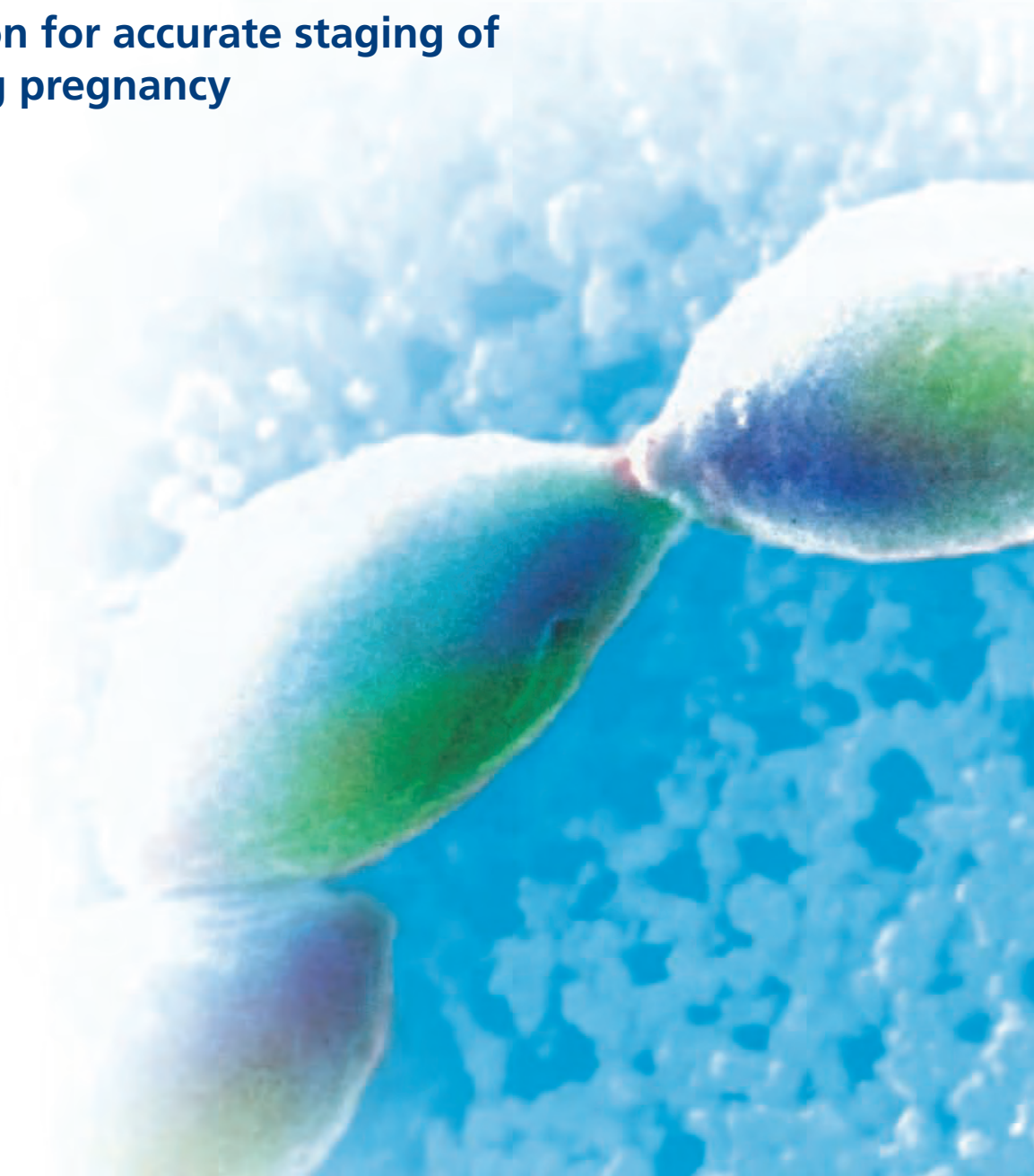


Infectious Disease

Toxoplasma gondii **IgG, IgM, IgG Avidity**

**Total automation for accurate staging of
infection during pregnancy**



DiaSorin

The Diagnostic Specialist

Confidence in Your Results

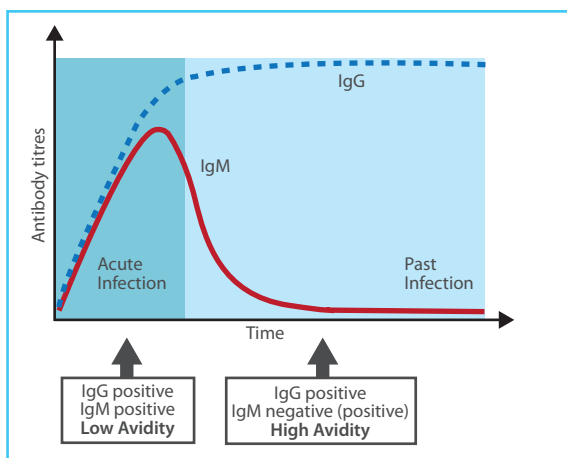
LIAISON®

Toxoplasma gondii IgG, IgM, IgG Avidity

Dating the infection? LIAISON® Toxoplasma assay panel is the solution

Toxoplasma infection can cause severe damage in cases of congenitally acquired infection. The diagnosis of primary infection in pregnant women and the timing of infection are of particular importance. Serology is the only method to determine if the mother has been infected by Toxoplasma gondii. Early diagnosis of primary infection requires a highly sensitive and quantitative assay for IgG and IgM antibodies, to discriminate between chronic and recent infections. The presence of Toxoplasma-specific IgM in serum is an indicator of recent infection, but often

IgM persists and may be detected for years after the occurrence of the infection. Measurement of IgG avidity may improve the accuracy of the serological diagnosis dating the infection more precisely. A high Avidity Index excludes recent Toxoplasma infection within the last four months. Therefore a high IgG Avidity Index during the first trimester excludes acute infection during pregnancy for many women who, only on the basis of a positive specific IgG and IgM result, would have been identified as having a recent infection.



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

■ Main Features of Toxoplasma gondii assays

- Number of tests: 100 (IgG avidity: 25 tests)
- Solid phase: Toxoplasma immunodominant antigens (p30, p22, GRA6, GRA7, ROP2, SAG1)
- Label: Isoluminol derivative
- Method: CLIA
- Assay format (IgG, IgM): Quantitative
- Sample type: Serum/Plasma

■ Flexibility enables quick and accurate results

- High throughput:
 - IgG/IgM: 90 results/hour
 - IgG Avidity: 30 results/hour
- Time to first result: 35 - 40 min
- Reagent stability on board: 4/8 weeks
- Two-point recalibration, stable for 2/4 weeks
- Sample volume: 20-30 µL

Ordering information

LIAISON® Toxo IgG II (code 310780)
 LIAISON® Toxo IgM (code 310710)
 LIAISON® Toxo IgG Avidity II (code 310790)

LIAISON® Control Toxo IgG II (code 310781)
 LIAISON® Control Toxo IgM (code 310711)
 LIAISON® Control Toxo IgG Avidity II (code 310791)

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