LIAISON® Chlamydia trachomatis IgG and IgA
The first fully automated solution for Chlamydia trachomatis antibody detection
**Infectious Disease**

**LIAISON® Chlamydia trachomatis IgG and IgA**

The unique technological advantages of the LIAISON® systems, the quality of the reagents and antigen selection have been combined to create a new approach to the *Chlamydia trachomatis* diagnosis.

*Chlamydia trachomatis* is one the most common cause of sexually transmitted diseases worldwide. Chlamydial infection is asymptomatic in most women and many men: left untreated, it leads to sequelae that place heavy medical, psychosocial, and economic burdens on women, men, infants and the healthcare system.

As infections are either asymptomatic, laboratory techniques are the sole means of diagnosing acute infections. DiaSorin LIAISON® serology line has been developed to influence patient management and to make quick and rapid diagnosis of *Chlamydia trachomatis* infection.

The detection of specific IgA antibodies is indicative of active Chlamydial infection and has been shown to be an important marker because of the shorter lifetime of IgA antibodies which persist only as long as antigenic stimulation exists. IgA antibody detection is, moreover, suitable for post-therapy follow-up.

IgG antibody detection is a marker for a Chlamydia-positive immune-response, either for current, chronic or past infections. For a reliable interpretation of results both IgG and IgA antibodies must be tested.

### Indirect assays format

![Indirect assays format diagram](image)

### Interpretation of results

<table>
<thead>
<tr>
<th>IgG results</th>
<th>IgA results</th>
<th>Interpretation of results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Negative</td>
<td>Negative</td>
<td>No evidence of infection.</td>
</tr>
<tr>
<td>Positive</td>
<td>Negative</td>
<td>May indicate past infection.</td>
</tr>
<tr>
<td>Positive</td>
<td>Positive</td>
<td>May indicate acute or chronic infection.</td>
</tr>
<tr>
<td>Negative</td>
<td>Positive</td>
<td>May indicate acute or reactivation.</td>
</tr>
</tbody>
</table>

### Main Features of C. trachomatis assays

- Number of tests: 100
- Antigen: 4 biotinilated peptides
- Label: Isoluminol derivative
- Method: CLIA
- Assay format: semi-quantitative IgG assay, qualitative IgA assay
- Sample type: Serum/Plasma

### Ordering information

- LIAISON® Chlamydia trachomatis IgG (code 310570)
- LIAISON® Chlamydia trachomatis IgA (code 310580)
- LIAISON® control Chlamydia trachomatis IgG (code 310571)
- LIAISON® control Chlamydia trachomatis IgA (code 310581)

### Flexibility enables quick and accurate results

- High throughput
- Reagent stability on board: 8 weeks
- Two-point calibration for IgA and IgG assays stable for 8 weeks
- Sample volume: 20 μL

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**AVAILABILITY ON LIAISON® SYSTEMS**

Product availability subject to required regulatory approval

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**Biotrin**

The Diagnostic Specialist