PRODUCT SPECIFICATIONS

Name
Anti-Chlamydia trachomatis 6701 SP-5

Specificity
Antibody recognizes Chlamydia trachomatis LPS

Description
Monoclonal mouse antibody, cultured in vitro under conditions free from animal-derived components

Product code
100141

Product buffer solution
0.9 % NaCl, 0.095 % NaN₃ as a preservative

Shelf life and storage
24 months from manufacturing at 2–8 °C

Analyte description
C. trachomatis is an obligate intracellular pathogen and can cause numerous disease states in both men and women. Both sexes can display urethritis, proctitis, trachoma, and infertility. The bacterium can cause prostatitis and epididymitis in men. In women, cervicitis, pelvic inflammatory disease (PID), ectopic pregnancy, and acute or chronic pelvic pain are frequent complications. C. trachomatis is also an important neonatal pathogen, where it can lead to infections of the eye (trachoma) and pulmonary complications.

PARAMETERS TESTED ON EACH LOT

Product appearance
Liquid, may turn slightly opaque during storage

Product concentration
5.0 mg/ml (+/- 10 %)

Immunoreactivity
80–120 % compared to the reference sample in an FIA test

IEF Profile
6.5 – 6.9

Purity
≥ 95 %

PARAMETERS DETERMINED DURING PRODUCT DEVELOPMENT

Subclass
IgG₁

Association rate constant
Not Determined (N/D)

Dissociation rate constant
N/D

Affinity constant
N/D

Determination method
-

Determination antigen
For immunization Chlamydia LGV2 strain
Cross-reactivities

- C. pneumoniae
- C. psittaci
- S. aureus (unspecific binding to protein A)

Cross-reactivity with the following micro-organisms below 5%:

- A. Iwoffi
- A. baumanii
- B. fragilis
- C. albicans
- C. freundii
- C. xerosis
- E. aerogenes
- E. coli
- Fusobacterium
- G. vaginalis
- K. pneumonia
- M. hominis
- M. smegmatis
- N. gonorhoeae
- Peptococcus
- Peptostreptococcus
- Propionebacterium
- P. vulgaris
- R. aeruginosa
- S. cerevisiae
- S. marcescens
- S. faecalis
- S. pyogenes
- T. globrata
- U. urealyticum
- S. minnesota

Epitope

Chlamydial LPS KDO-trisaccharide

Pair recommendations

<table>
<thead>
<tr>
<th>CAPTURE ANTIBODY</th>
<th>DETECTION ANTIBODY</th>
</tr>
</thead>
<tbody>
<tr>
<td>6709</td>
<td>6701</td>
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</tbody>
</table>

Please note that pair recommendations are based on results obtained by our laboratory. Equally good results may be obtained using other pairs and therefore these recommendations are only indicative.

Product stability

<table>
<thead>
<tr>
<th>TEMPERATURE, TIME</th>
<th>RESULT</th>
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</thead>
<tbody>
<tr>
<td>-70 °C, 21 days</td>
<td>N/D</td>
</tr>
<tr>
<td>-20 °C, 21 days</td>
<td>OK</td>
</tr>
<tr>
<td>+4 °C, 21 days</td>
<td>OK</td>
</tr>
<tr>
<td>+35 °C, 21 days</td>
<td>OK</td>
</tr>
<tr>
<td>+45 °C, 7 days</td>
<td>OK</td>
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</tbody>
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Stability testing is performed in the product buffer to see whether different temperatures affect the antigen binding, charge or composition of the antibody. Please note that the shelf life given on the first page is based on real time stability testing at 2–8 °C in the product buffer.

Miscellaneous

Clone 6701 binds to chlamydial lipopolysaccharide (LPS) and therefore recognizes all chlamydas.

References