Real-Time PCR Assay for Chlamydia *trachomatis*, Neisseria *gonorrhoeae* & Mycoplasma *genitalium* Diagnosis

MUTIPLEX design for *C. trachomatis*, *N. gonorrhoeae* and *M. genitalium* detection

HIGH PERFORMANCE assay

SIMPLIFIED WORKFLOW in combination with the ELITe InGenius® system

EFFICIENT sexually transmitted infections diagnosis
The spread of Sexually Transmitted Infections is steadily increasing worldwide, and more than 1 million of new infections are globally acquired every day. Chlamydia trachomatis and Neisseria gonorrhoeae are the main admitted causes of these infections. More recently identified, Mycoplasma genitalium has also been recognized as an additional and important cause of diseases with similar symptoms and serious health outcomes when untreated. The simultaneous detection of the three bacteria with molecular testing methods, is a significant diagnosis improvement to guide therapy and better manage patients.

**STI ELITe MGB® Panel** is a multiplex assay to detect and differentiate C. trachomatis, N. gonorrhoeae and M. genitalium. In combination with ELITe InGenius, the STI ELITe MGB® Panel is the first CE-IVD assay available with a sample-to-result solution to simultaneously detect C. trachomatis, N. gonorrhoeae and M. genitalium. This unique workflow improves the efficiency of STI diagnosis and patient management in comparison to other molecular solutions available.

### Multiplex assay design
- Real-Time PCR assay for the detection, from one single patient sample in one single reaction, along with an internal control: C. trachomatis, N. gonorrhoeae, and M. genitalium three major bacteria involved in STIs
- Highly conserved and repeated sequences targeted

### High performance
- 96.7%, 100% and 100% clinical sensitivity for CT, NG and MG respectively
- 100%, 98.4% and 98.4% clinical specificity for CT, NG and MG respectively
- Detection of C. trachomatis Swedish variant strain
- Industry leading-MGB technology embedded

### Simplified workflow
- Fully automated solution to perform all the steps of Molecular Diagnostics, from extraction to result analysis
- Limited hands-on time: less than 2 minutes per sample
- Storage of extracted nucleic acid for retesting, archiving or additional molecular testing

### Efficient diagnosis
- Laboratory testing workflow improvement
- Rapid, accurate and objective diagnosis
- Quick patient information and appropriate treatment decision to limit the risks of contamination and serious complications

### Ordering information

<table>
<thead>
<tr>
<th>Reference</th>
<th>Product</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>RTS533ING</td>
<td>STI ELITe MGB® Panel</td>
<td>96 tests</td>
</tr>
<tr>
<td>CTR533ING</td>
<td>STI ELITe Pos. Control</td>
<td>12 tests</td>
</tr>
<tr>
<td>ICS500</td>
<td>500-Internal Control</td>
<td>96 tests</td>
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ELITechGroup Molecular Diagnostics, a major innovator in the molecular diagnostics market, offers comprehensive Real-Time PCR products and solutions for diagnosis and monitoring of viral and microbiological infections.

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ELITechGroup is certified by DEKRA and applies a quality management system in compliance with ISO 9001:2008 and EN ISO 13485:2012