UNPRECEDENTED SENSITIVITY for the detection of Mycobacterium tuberculosis complex

BETTER DIAGNOSIS with simultaneous detection of MTB complex, Rifampicin, and Isoniazid resistance

IMPROVED WORKFLOW with the ELITe InGenius® system

Real-Time PCR Assay for Tuberculosis and Multidrug Resistance Diagnosis

MDR/MTB ELITe MGB® Kit
Tuberculosis is a major and underdiagnosed health issue commonly caused by Mycobacterium tuberculosis. In 2016, about one third of the worldwide population was affected, and 6.3 million of new cases occurred. Additionally, the steady increase of tuberculosis resistant forms, caused by intensive use of frontline antibiotics such as rifampicin and isoniazid, is particularly alarming and leads to massive treatment failure. Rapid and accurate diagnosis of tuberculosis and resistance to rifampicin and isoniazid, by using molecular methods, is recommended by the W.H.O. to timely identify infected patients and to ensure a prompt access to appropriate treatment.

**MDR/MTB ELiT e MGB® Kit** is an ultra-sensitive real-time PCR assay, designed for the detection of MTB complex, rifampicin and isoniazid resistance. In combination with ELiT e InGenius, ELITechGroup’s fully automated sample-to-result solution, it offers laboratories a rapid, easy-to-use and reliable solution for the diagnosis of tuberculosis, including first-line drug resistant forms in one single run.

### Unprecedented performance
- Unprecedented sensitive detection of Mycobacterium tuberculosis complex: 6 CFU/mL
- 100% clinical sensitivity and 98% clinical specificity
- 100% sensitivity and 100% specificity in resistance typing
- Unique test design combined with Industry-leading MGB technology embedded

### Improved workflow
- Simultaneous detection in one single run of MTB complex and resistance to rifampicin and isoniazid
- Fully automated, cassette based, sample-to-result solution to perform all steps of Molecular Diagnostics from extraction to result analysis
- Hands-on time limited to few minutes per sample
- Storage of extracted nucleic acid for retesting, additional molecular testing or archiving

### Better tuberculosis diagnosis
- Fast turnaround time in 2h30
- Patient care improvement with early implementation of the best therapy
- Cost-efficient solution with improvement of infection control
- Compliance with WHO guidelines for management of drug-resistant tuberculosis

### Ordering information

<table>
<thead>
<tr>
<th>Reference</th>
<th>Product</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>RTS120ING</td>
<td>MDR/MTB ELiT e MGB® Kit*</td>
<td>48 tests</td>
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<tr>
<td>CTR120ING</td>
<td>MDR/MTB-ELiT e Positive Control</td>
<td>6 tests</td>
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<tr>
<td>CTRCPE</td>
<td>Internal Control</td>
<td>48 tests</td>
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**ELITechGroup Molecular Diagnostics**, a major innovator in the molecular diagnostic market, offers a comprehensive real-time PCR range of products for diagnosis and monitoring of viral and microbiological infections.

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

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