Real-Time PCR Assay for Carbapenem-Resistant Enterobacteriaceae genes detection

CRE ELITe MGB® Kit

EXTENDED detection of all the main relevant variants of KPC, NDM, VIM, IMP, and OXA-48-like genes

HIGHEST performance for an earliest detection

SIMPLIFIED workflow in combination with the ELITe InGenius™ system
The spread of Carbapenem-Resistant Enterobacteriaceae, steadily increasing worldwide and even reaching the endemic level in many countries, is one of the most challenging health issues. Rapid and reliable Carbapenem-Resistant Enterobacteriaceae detection with molecular methods is crucial to identify infected patients, and avoid an outbreak in hospital and healthcare settings.

**CRE ELITe MGB®** is an innovative real-time PCR assay for the detection of carbapenem-resistance genes of Enterobacteriaceae. In combination with ELITe InGenius, a fully automated sample-to-result system, the CRE ELITe MGB® is an advanced molecular solution to detect risk patient and better fight against antibiotics resistance spread.

### Highest performance

- Detection of more than 150 variants belonging to KPC, NDM, VIM, IMP, and OXA-48-like gene families
- Industry leading-MGB technology embedded
- Highest sensitivity ranging from 99 to 399 CFU/mL depending on the strains
- Excellent clinical performance: 99.3% sensitivity and 100% specificity

### Simplified workflow

- Fully automated, cassette based sample-to-result solution to perform all the steps of Molecular Diagnostics
- Hands-on-time limited to few minutes
- Direct loading of patient sample in transport media without pre-treatment
- Storage of extracted nucleic acid for retesting, archiving or additional molecular testing

### Comprehensive menu for Healthcare Associated Infections

- Best-in class CE-IVD menu: MRSA/SA including *mecA* and *mecC* detection, *C. difficile* including O27 hyper virulent strains, and ESBL*
- Real open capability to increase the HAI menu breadth with complementary Laboratory Developed Tests or other tests of interest according to the specific lab’s requirements

### Ordering information

<table>
<thead>
<tr>
<th>Reference</th>
<th>Product</th>
<th>Quantity</th>
</tr>
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<tbody>
<tr>
<td>RTS200ING</td>
<td>CRE ELITe MGB® Kit</td>
<td>96 tests</td>
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<tr>
<td>CTR200ING</td>
<td>CRE ELITe Positive Control</td>
<td>12 tests</td>
</tr>
<tr>
<td>CTRCPE</td>
<td>CPE – Internal Control</td>
<td>48 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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