

HAI MANAGEMENT

ELITech

Molecular Diagnostics



A huge step forward in HAI Management

- ◆ Real-Time PCR assays for *S. aureus*, MRSA and *C. difficile* detection
- ◆ **EXCLUSIVE** : Detection of MRSA *mecA*_{LGA251} gene
- ◆ Detection of the hypervirulent *C. difficile* O27 Strain
- ◆ Industry-leading MGB technology
- ◆ Flexible system solution



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Staphylococcus aureus, MRSA and *Clostridium difficile* are serious healthcare acquired infections (HAIs) impacting patient outcomes, quality of care, staff safety and overall healthcare costs. Healthcare providers need an effective tool for optimizing infection control and prevention programs that is **more cost-effective, more accurate and faster**. ELITech Molecular Diagnostics, a major innovator in the molecular diagnostics market, has developed a suite of Real-Time PCR solutions to enable healthcare providers to make better medical decisions, improve patient outcomes and deliver a superior level of service and patient care.

Cost-competitive:	Cost per test is very advantageous.
Optimized design:	Use of our industry-leading patented MGB technologies allowing the assay to be designed with short and specific DNA probes.
Flexible:	No dedicated system required. The open-platform design will allow laboratories to adapt the assay on commercially available platforms.

MRSA/SA ELITe MGB® Kit

MRSA/SA ELITe MGB® Kit is a **NEXT GENERATION** Real-Time PCR MRSA assay that directly detects the *Staphylococcus aureus* (SA) and methicillin-resistant *Staphylococcus aureus* (MRSA) including the **recently identified LGA251 Strain** from nasal swabs. The next generation test incorporates all the design advantages of the original test that was designed to more accurately detect MRSA infections, generating from 27% to 50% fewer missed MRSA infections when compared to published values of competing amplification methods, and 3 times fewer missed MRSA when compared to culture^(1,2). The **mecA_{LGA251}** gene is a clinically important MRSA variant that shares only 70%⁽³⁾ nucleotide homology with the conventional MRSA gene nucleic acid targets, increasing the likelihood that current MRSA tests may not detect this variant.

C. difficile ELITe MGB® Kit

C. difficile ELITe MGB® Kit is a qualitative Real Time PCR test for the direct detection of *Clostridium difficile* DNA from human liquid or soft stool specimen. This multiplex assay will also detect the **hypervirulent epidemic NAP1/BI/O27 Strain**. The *C. difficile* ELITe MGB® Kit is one of the only commercially available assay that detects and differentiate *C. difficile* Toxin A and Toxin B specific DNA.

Ordering Information

Reference	Description	Quantity
M800351	MRSA/SA ELITe MGB® Kit	100 reactions
M800356	MRSA/SA ELITe Positive Control	24 reactions
M800358	<i>C. difficile</i> ELITe MGB® Kit	100 reactions
M800373	<i>C. difficile</i> ELITe Positive Control	24 reactions

For in vitro Diagnostic use



(1) Clinical data values for this analysis excerpted from the "Expected Results" section of each manufacturers' package insert.

(2) Based on results published and summarized in "The impact of incorrect MRSA diagnoses", MLO, January 2012, pp 26-27

(3) Lancet Infect Dis. 2011 Aug; 11(8):595-603. Methicillin-resistant *Staphylococcus aureus* with a novel *mecA* homologue in human and bovine populations in the UK and Denmark: a descriptive study (Garcia-Alvarez et al.)

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