

PCR Test for methicillin-resistant *Staphylococcus aureus*

✓ivalytic from Bosch –

The universal diagnostic platform.

Universal, intuitive, fast.



✓ivalytic

PCR Test for methicillin-resistant *Staphylococcus aureus*

Methicillin-resistant *Staphylococcus aureus* – commonly known as MRSA – is a major multi-resistant, nosocomial pathogen worldwide. According to the WHO, patients infected with MRSA are about 50% more likely to die than those infected with non-resistant strains.¹ Not only mortality, but also length of hospitalization, morbidity, and costs are increased significantly if MRSA infections are left untreated.² However, MRSA is not the only pathogen in the genus *Staphylococcus* to cause problems. The majority of

S.aureus isolates, in Europe 83%, belong to the group of methicillin-sensitive *Staphylococcus aureus* (MSSA) bacteria. *Staphylococcus aureus* is the most common pathogen associated with surgical site infections and the second most common source of healthcare-associated infections in the United States.⁴ By using one single cartridge, the Vivalytic MRSA/SA test differentiates between MRSA and MSSA in a timely manner so that appropriate antibiotic treatment can be administered.



Sample material

Nasal or oropharyngeal swab sample

Volume

600 µl

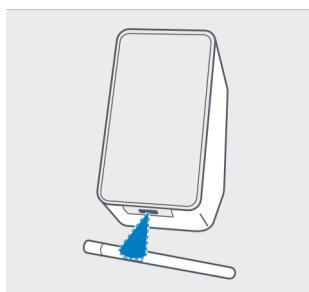
Detection method

Real-time PCR test

Detectable pathogens

- Methicillin-resistant *Staphylococcus aureus*
- (MRSA) Methicillin-sensitive *Staphylococcus aureus* (MSSA)

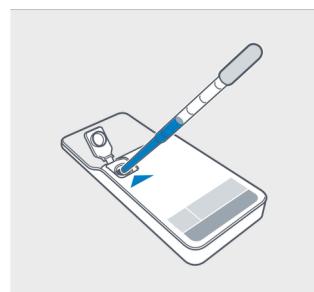
Vivalytic workflow: Good results can be this easy.



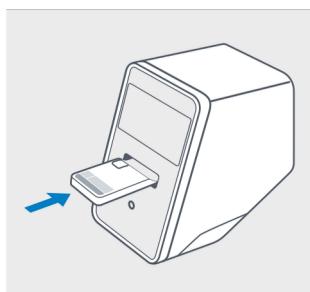
1 Scan sample code.



2 Scan cartridge code.



3 Insert the sample and close cartridge lid.



4 Insert cartridge. The test starts automatically.

Our biocontent cooperation partner is:

r-biopharm[®]



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¹WHO brochure on infection prevention 2016

2GLASS report 2014 p. 20 – 22, 37 – 40, 175 – 176

3ECDC report on AMR in 2018

4CDC statistics on HAI 2011-2014

The availability of the tests can differ regionally.