

# BD GeneOhm™ StaphSR

Simultaneous identification of *Staphylococcus aureus* (SA) and methicillin resistant *Staphylococcus aureus* (MRSA)



Helping all people  
live healthy lives

## ONE test ... TWO answers ... THREE applications

Will assist you in the prevention of surgical site infections and in the diagnosis of bloodstream infections or wound infections

Surgical site infections (SSIs) remain a leading cause of healthcare associated mortality and morbidity. SSIs increase the risk of dying by 2 to 11-fold, and 77% of deaths in patients with SSI are attributed directly to SSI.<sup>1</sup> *Staphylococcus aureus* is the most common pathogen found in surgical site infections representing 20% of isolates.<sup>2</sup>

Bacterial bloodstream infections (BSIs) are a leading cause of morbidity and mortality worldwide.<sup>3</sup> *Staphylococcus aureus* related bacteremia are associated with increased mortality up to 60%.<sup>4</sup>

1 Rubin, Robert et al. The Economic Impact of *Staphylococcus aureus* Infection in New York City Hospitals. Emerging Infectious Diseases 1999; vol 5 number 1  
<http://www.cdc.gov/ncidod/eid/vol5no1/rubin.htm>

2 Mangram, AJ et al Guideline for prevention of surgical site infection, 1999 Hospital Infection Control practices advisory committee. Infect control Hosp Epidemiol 1000; 20:250-278

3 Reimer, L. G., Wilson, M. L. & Weinstein, M. P. (1997). Update on detection of bacteremia and fungemia. Clinical Microbiology Reviews 10, 444-65.

4 Mylotte, J. M. & Tayara, A. (2000). Blood cultures: clinical aspects and controversies. European Journal of Microbiology and Infectious Diseases 19, 157-63

The BD GeneOhm™ line  
of products help improve  
patient outcomes by  
delivering cost-effective,  
rapid, molecular  
solutions for the detection  
and prevention of  
Healthcare Associated  
Infections (HAI).

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Simultaneous identification of *Staphylococcus aureus* (SA)  
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### Qualitative IVD test for the rapid detection of *Staphylococcus aureus* and methicillin-resistant *Staphylococcus aureus* direct from

- positive blood culture specimens
- nasal specimens
- wound specimens

### Clinical Benefits of Presurgical Nasal Surveillance for MRSA/SA:

- Rapid identification allows adequate time for decolonization of patients prior to surgery
- Aids in the selection of appropriate prophylactic antibiotic prior to surgical incision
  - Appropriate antibiotics improve patient outcomes and reduce overall healthcare costs
  - Appropriate use of antibiotics prevents emergence of pathogen resistance
- Allows decolonization to be targeted to only those patients who need it

### Clinical Advantages of Rapid BSI Diagnosis :

- Rapid identification and treatment of BSIs has been proven to reduce healthcare costs and improve patient outcomes
- Promotes faster, better antibiotic selection to prevent the emergence of vancomycin resistant organisms

### Clinical Advantages of Rapid wound Diagnosis

Enables better antibiotic selection prior to patient discharge or faster de-escalation to targeted therapy after pathogen is identified



Belgium:  
**BD Diagnostics**  
Erembodegem-Dorp 86  
9230 Erembodegem  
Tel : (+32) 53 720 211

U.K.:  
**BD Diagnostics**  
The Danby Building  
Edmund Halley Road  
Oxford Science Park  
Oxford OX4 4DQ  
Tel : (+44) 1865 78 16 66

Germany:  
**BD Diagnostics**  
Tullastr. 8-12  
69126 Heidelberg  
Tel. (+49) 6221 3050

France:  
**BD Diagnostics**  
11 rue Aristide Bergès  
38800 Le Pont de Claix  
Tel : (+33) 476 68 36 36