Xpert® MRSA/SA BC
Accurate Detection of MRSA and SA in Positive Blood Culture Specimens in About an Hour
Bloodstream infections are a major healthcare concern:

- Severe sepsis strikes 750,000 people annually in the U.S., resulting in mortality rates of up to 200,000 per year. Methicillin-resistant Staph aureus (MRSA) and Staph aureus (SA) are the causative pathogen in up to 35% of severe sepsis cases.
- Current culture-based lab testing methods for gram positive blood culture bottles require an additional 18-48 hours for determination of MRSA or SA.
- Without timely results, clinicians often employ empiric treatments, using costly and inadequate antimicrobials that contribute to increased drug resistance.

On-demand molecular testing — an ideal solution:

- Accurate molecular detection of MRSA or SA from a gram-positive blood culture sample in about an hour
- Simple test protocol can be run on all shifts to provide results around-the-clock
- Provides clinicians actionable information when it is most needed
- Easily integrates into your hospital’s bundle of sepsis interventions

In an era of escalating antimicrobial resistance and lack of new antibiotic discovery, the most efficacious and timely method for S. aureus bacteremia detection and antibiotic therapy with de-escalation are needed. The Xpert® MRSA/SA BC test, in conjunction with an ID PharmD intervention, provides increased clinical and economic benefits.”

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Infectious Disease Specialist
The Ohio State University Medical Center
THE IMPACT

A recent clinical study showed that using the Xpert® MRSA/SA BC test coupled with an infectious disease pharmacist consultation resulted in:

- Switch to optimum antimicrobial therapy 1.7 days sooner
- Mean length of stay was reduced 6.2 days
- Mean hospital costs were $21,387 less per bacteremic patient

IMPACT ON PATIENT MANAGEMENT: “TEST AND TREAT”

COMPREHENSIVE APPROACH TO HAI MANAGEMENT & CONTROL
WORKFLOW:
3 EASY STEPS
Total hands-on time: <1 Minute

1. Gently mix the sample by hand, transfer a 50 μL aliquot to the elution reagent vial using the pipette provided

2. Vortex and transfer the sample into S chamber

3. Insert cartridge and start assay

Xpert® MRSA/SA BC is a qualitative real-time PCR test for automated detection of S. aureus and MRSA DNA directly from positive blood cultures

<table>
<thead>
<tr>
<th>CATALOG NUMBER</th>
<th>Xpert MRSA/SA BC (10 tests)</th>
<th>Xpert SA Nasal Complete (10 tests)</th>
<th>Xpert MRSA (10 tests)</th>
<th>Xpert MRSA (120 tests)</th>
<th>Xpert MRSA/SA SSTI (10 tests)</th>
<th>Xpert C. difficile/Epi (10 tests)</th>
<th>Xpert C. difficile/Epi (120 tests)</th>
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<td>.GXMRSA-BC-10</td>
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<td>.GXMRSA-120</td>
<td>.GXMRSA-SA-SSTI-10</td>
<td>.GXCDIFF/EPI-10</td>
<td>.GXCDIFF/EPI-120</td>
<td>.GXVANA-10</td>
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References:
1. http://www.ihi.org/explore/Sepsis/Pages/default.aspx
2. Septic Shock; The Lancet; January 2005

For In Vitro Diagnostic Use.