

# MicroPhage MRSA/MSSA Blood Culture Test



*S. aureus* bloodstream infections (BSI) have a fatality risk of 30- to 40-percent, allowing only a small window of time to administer antibiotic therapy to prevent the patient's downward spiral into sepsis.<sup>1</sup> Today's diagnostic methods require 48 to 72 hours to deliver results – meaning doctors must prescribe broad-spectrum antibiotics as treatment, rather than tailoring therapy to their specific patients' needs. Unfortunately, this situation has led to increased antibiotic resistance and higher fatality rates.

## Empower better treatment decisions

With the MicroPhage MRSA/MSSA Blood Culture Test, laboratories can rapidly identify the presence of *S. aureus* and determine methicillin susceptibility (MSSA) or methicillin resistance (MRSA) direct from blood cultures – in five hours or less. Receiving critical susceptibility and resistance information early helps improve outcomes by enabling physicians to determine and administer the most-appropriate treatment.

- » **Reduce unnecessary therapy** – Prescribe the most-appropriate treatment by getting critical antibiotic susceptibility and resistance information.
- » **Simplify testing with a phenotypic test** – Rely on viable bacteria for results that are directly related to the sample – no primers or molecular markers.
- » **Benefit from an easy-to-use platform** – Go direct from a blood culture – without the need for expensive equipment, batching, specialized personnel, or sample preparation.
- » **Get definitive results faster than standard diagnostic methods** – Receive culture-quality results in approximately five hours.
- » **Improve outcomes** – Enable patient care, reduce costs, and save lives.



## High-value diagnostic, easy-to-use platform

The MicroPhage MRSA/MSSA Blood Culture Test delivers rapid results that directly impact patient care. The test itself is simple to perform and does not require expensive equipment, making this critical diagnostic available to all institutions – large and small.

- » Identification and susceptibility/resistance information
- » Direct from blood culture – with three minutes of hands-on time
- » Unbatched test format
- » Visual interpretation
- » Results available in approximately five hours
- » Specificity in the high 90s
- » Sensitivity in the low to mid 90s



**Availability:** U.S.: 2010  
Outside U.S.: Available now

This test is not cleared by the FDA and not yet available for sale in the U.S. market. This test is CE marked for sale outside the U.S.

[www.microphage.com](http://www.microphage.com)  
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<sup>1</sup> Pfaller et al. *J. Antimicrob. Agent. Chemother.* (42): 1762-1770