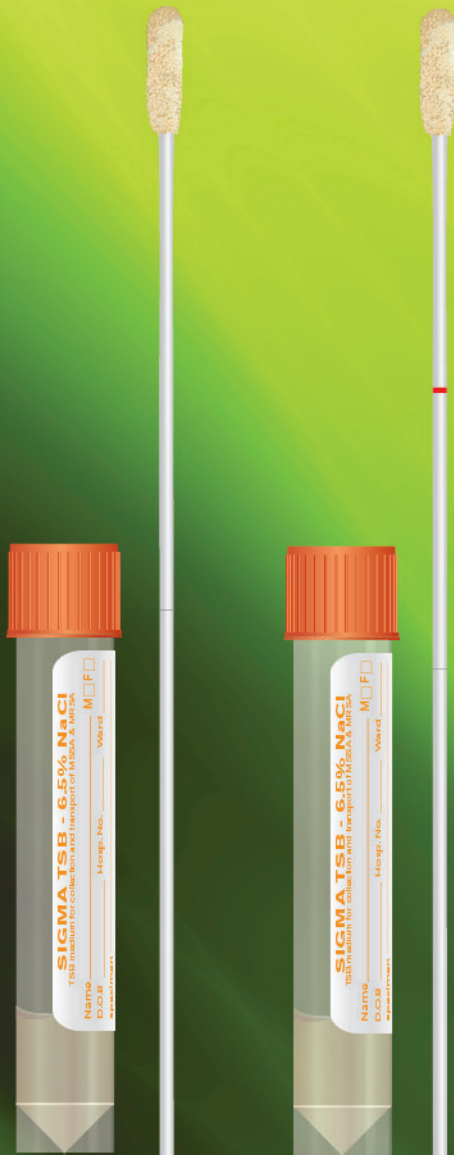
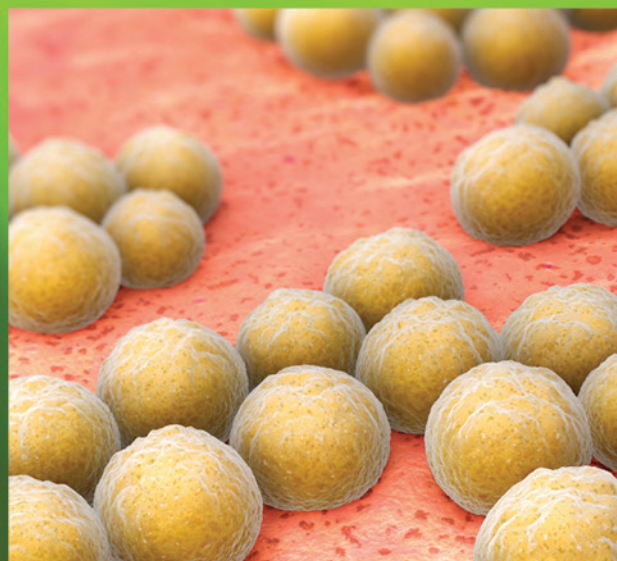


Sigma TSBTM with 6.5% NaCl

Direct enrichment for MRSA screening specimens.
For automated platforms or manual processing.



- Tryptic soy broth with 6.5% Sodium Chloride
- Enrichment of specimens for direct plating on chromogenic agars
- Simpler processing and faster turnaround times for MRSA screening specimens
- Choice of swabs (standard or rectal)
- Snap 'n' Cap format compatible with automated processing platforms





Sigma TSB™ with 6.5% NaCl

Direct enrichment for MRSA screening specimens.
For automated platforms or manual processing.

Sigma TSB™ is a swab based device for the direct collection and rapid processing of MRSA screening specimens.

The product includes a vial of TSB enrichment broth and a swab which can be snapped into the vial. After collecting the specimen, the vial can be incubated for a few hours before inoculation onto a chromogenic agar medium for the direct detection and identification of MRSA. The vial is compatible with all current automated processing platforms.

Studies have reported that broth enrichment improves the performance of chromogenic media for MRSA detection. In particular it has been shown that preincubation in broths supplemented with 6.5% sodium chloride results in a significant increase in sensitivity. This has now been adopted as a recommended method in many laboratories.

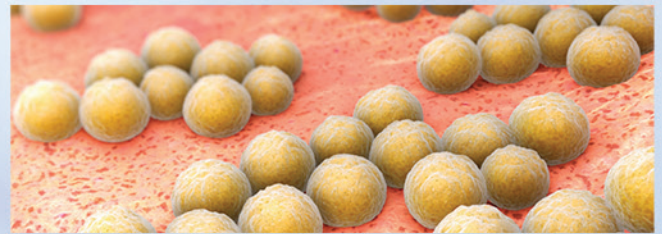


Sigma TSB™ with 6.5% NaCl includes 2ml tryptic soy broth with 6.5% sodium chloride contained in a standard Sigma vial with orange screw cap. The medium will promote growth of both MSSA and MRSA, while inhibiting any growth of other bacteria such as E. coli. MRSA and MSSA are readily distinguished when cultured on a chromogenic medium for MRSA.

The set also includes a standard Sigma swab with cellular polyurethane foam bud, or a Sigma rectal swab with same bud, but with additional red safety marker line.

The swab is used to collect specimen in normal way from nose, throat, axilla, perineum, groin or rectum in accordance with local procedures. The swab is then snapped into the vial. When the cap is replaced, the swab is automatically "captured" by the cap.

After specimen collection the vial can be incubated immediately or taken to the laboratory for incubation. Best results are obtained after overnight incubation at 37°C. However, if specimens need to be processed more quickly, acceptable results will be available even after just a few hours incubation at 37°C, or overnight holding at ambient temperatures.



Abbreviations:

MRSA - Methicillin resistant *Staphylococcus aureus*

MSSA - Methicillin sensitive *Staphylococcus aureus*


References:

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McAllister, S. K., V. S. Albrecht, G. E. Fosheim, H. K. Lowery, P. J. Peters, R. Gorwitz, J. L. Guest, J. Hageman, R. Mindley, L. K. McDougal, D. Rimland, & B. Limbago, 2011, Evaluation of the Impact of Direct Plating, Broth Enrichment, and Specimen Source on Recovery and Diversity of Methicillin-Resistant *Staphylococcus aureus* Isolates among HIV-Infected Outpatients, *J. Clin. Microbiol.*, 49: 4126–4130

Verkade E, Ferket M, Kluytmans J, 2011, Clinical evaluation of Oxoid Brilliance MRSA Agar in comparison with bioMérieux MRSA ID medium for detection of livestock-associated methicillin resistant *Staphylococcus aureus*. *J Med Microbiol* 60:905–908

Order Information

Cat No.	Description	Pack
MWTSB65	Sigma TSB with 6.5% NaCl, with 2ml medium, with standard Sigma swab (cellular foam tip)	125 
MWTSB65R	Sigma TSB with 6.5% NaCl, with 2ml medium, with Sigma rectal swab (cellular foam tip)	125 