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Section: Technical Manual	Subject Title: Crystal MRSA ID System	
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CRYSTAL MRSA IDENTIFICATION SYSTEM

Principle

Used as a screening test for the detection of intrinsic methicillin-resistant *Staphylococcus aureus* from isolated colonies.

Materials

BBL Crystal panel (lid and base)
MRSA Id both-3.2ml
transfer pipette
(all provided in kit)

Method

1. Suspend test *S. aureus* in 2 ml of Vitek saline and adjust to a McFarland 0.5.
2. Vortex and transfer 0.5mL to the tube of MRSA Id broth and Vortex.
3. Remove lid from panel base without touching lid prongs and discard desiccant.
4. Place a drop of sterile saline in the first well (positive control).
5. Using the same pipette, place 3 drops of the ID broth suspension into the same well.
6. Place 4 drops of the broth suspension into the next 2 wells of the panel (oxacillin and negative control). Leave the fourth well empty. Remove any bubbles.
7. Cover the panel base with the lid. Gently press lid onto panel base with the lid onto panel base with a snap. Lid should no longer be removed. Do not invert panel.
8. Incubate at 35°C for at least 4 but not more than 5 hours.
9. Expose panel to UV light and record which wells are fluorescing.

Interpretation

<u>Bacteria</u>	<u>Well#1</u>	<u>Well#2</u>	<u>Well#3</u>
Methicillin Sensitive:	+	—	—
Methicillin Resistant:	+	+	-

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Quality Control

Results are uninterpretable if positive control well is negative or the negative control well is positive.

Reference

1. BBL crystal MRSA ID System package insert August 1993.