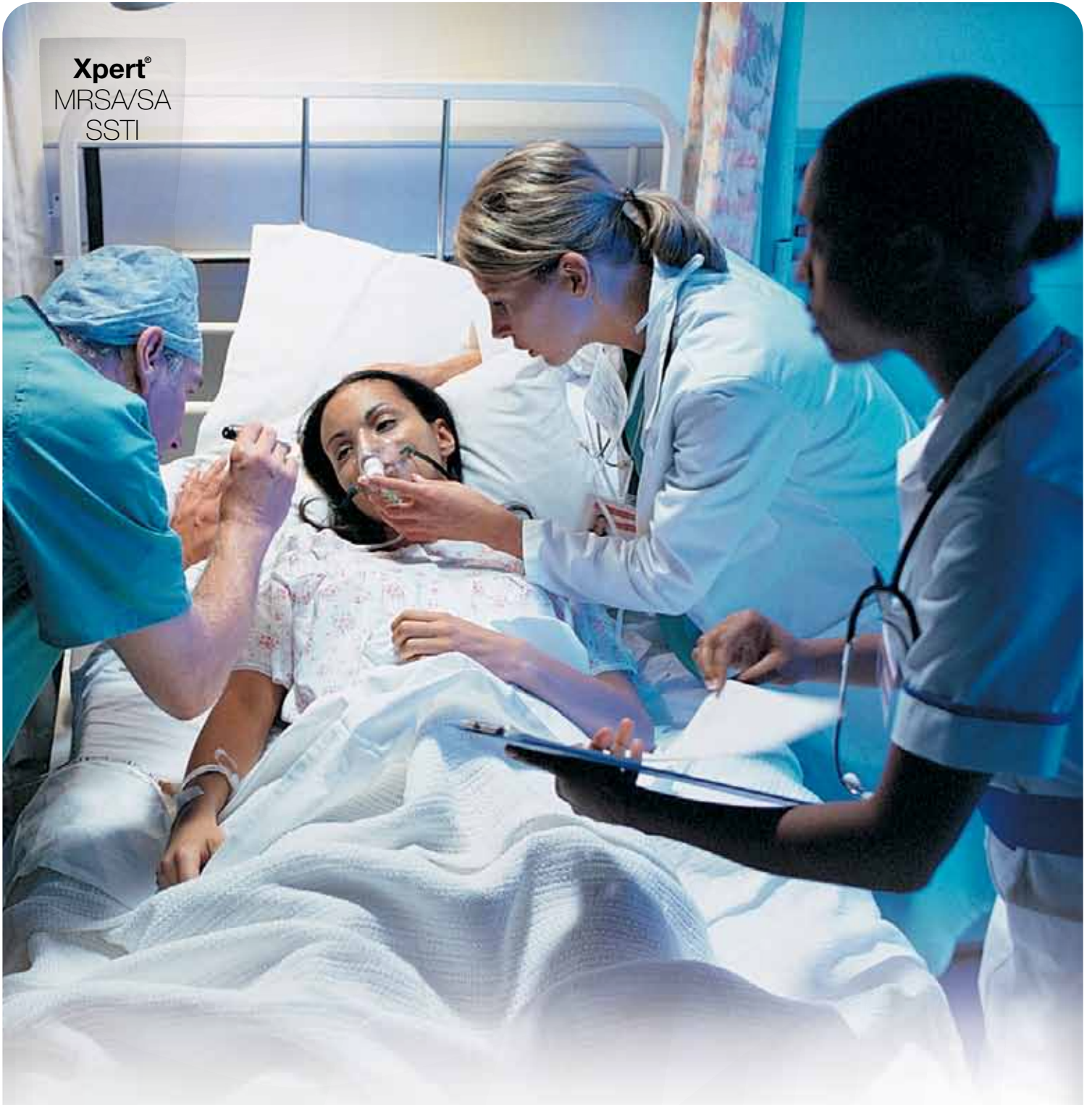


**Xpert®**  
MRSA/SA  
SSTI



# Xpert® MRSA/SA SSTI

Detect MRSA & SA Skin and Soft Tissue Infections  
*In About One Hour*

“MRSA is the most common identifiable cause of skin and soft-tissue infection among patients presenting to emergency departments. When antimicrobial therapy is indicated for the treatment of skin and soft-tissue infections, clinicians should consider obtaining cultures and modifying empirical therapy to provide MRSA coverage.”



Moran, et al.  
New England Journal of Medicine, August 2006

## The Need

### SSTIs are a major health concern:

- The most common cause of skin and soft tissue infections is *Staph aureus*; MRSA represents over 50% of these infections in parts of the U.S.<sup>1</sup>
- Current laboratory methods can take up to 72 hours to determine if a SSTI is SA or MRSA
- Empiric treatment, found to be incorrect in 57% of patients according to one study, is employed due to lack of a rapid identification method<sup>2</sup>

## The Solution

### The only rapid and comprehensive SSTI test available:

- Xpert® MRSA/SA SSTI is a rapid, on-demand test for detecting MRSA and SA from skin and soft tissue swabs in less than one hour
- Xpert MRSA/SA SSTI is the most comprehensive *Staph aureus* test available:
  - Includes targets for *Staph aureus*, MRSA, and *mecA*
  - Identifies presumptive positive “empty cassette” strains for correct classification as SA sensitive
  - Unparalleled automation with the GeneXpert® System provides reduced hands-on time and improved laboratory efficiency

### Important healthcare benefits of rapid detection:

- Helps ensure the right therapy sooner for improved patient management
- Enables a targeted antimicrobial therapy approach for better antimicrobial stewardship
- Allows for immediate identification of patient infection for improved isolation and infection control measures

## Performance

Performance characteristics of Xpert® MRSA/SA SSTI were determined in a multi-site prospective investigation study at three institutions by comparing the Xpert MRSA/SA SSTI test on the GeneXpert® System to enriched culture, the most sensitive culture method.

### SUMMARY OF RESULTS

	Positive Percent Agreement	Negative Percent Agreement
MRSA	93.8%	97.3%
SA	95.7%	89.5%

### MRSA/SA PERFORMANCE IN SUBJECTS WITH NO ANTIBIOTIC USE (WITHIN 3 WEEKS OF SAMPLE COLLECTION) VS. REFERENCE CULTURE

		Culture			Totals
		MRSA+	SA+/MRSA-	Neg/No Growth	
Xpert	MRSA+	137 <sup>a</sup>	2	6	145
	SA+/MRSA-	3 <sup>b</sup>	79	16	98
	SA-	6	4	188	198
	Total	146	85	210	441

<sup>a</sup> 1 of the 137 were mixed infections of MRSA and SA.

<sup>b</sup> 2 of the 3 were mixed infections of MRSA and SA.

## Comprehensive

Capable of detecting strains with all SCCmec types found in both healthcare-acquired and community-acquired MRSA.

	Type
Samples	Swabs collected for routine care of SSTIs
SCCmec	I, II, III, IVa, V, VI

# Simplicity.

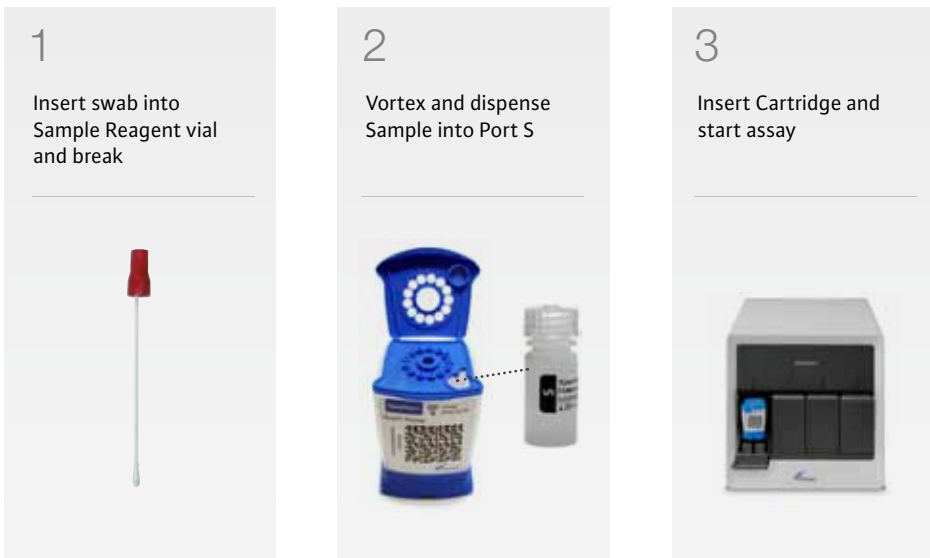
## Xpert<sup>®</sup> MRSA/SA SSTI

- Rapid results to improve patient management
- Fully integrated reagent and instrument system for accuracy and reproducibility
- Random access for flexibility and workflow optimization
- Fully automated process reduces handling time to just minutes

### WORKFLOW:

## 3 Easy Steps

Total hands-on time: 2 Minutes



### ORDERING INFORMATION

Xpert<sup>®</sup> MRSA/SA SSTI (10 cartridges with reagents).....Catalog No. GXM RSA/SA-SSTI-10

#### References:

1. CDC Press release 09/08/2008 entitled "CDC Steps Up Efforts to Fight Drug-Resistant Germ".
2. Moran et al. "Methicillin-Resistant *S. aureus* Infections among Patients in the Emergency Department", NEJM 355:664-674; 2006.



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