

DYNACARE LABORATORIES

Affiliated With  Froedtert & Medical College of Wisconsin

To: Dynacare Clients
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EFFECTIVE MARCH 23, 2009

NEW

NUCLEIC ACID AMPLIFIED TEST FOR DETECTION OF METHICILLIN RESISTANT STAPHYLOCOCCUS AUREUS

Methicillin resistant *Staphylococcus aureus* (MRSA) is an organism responsible for many hospital and community acquired infections. Because of this, many hospitals require that infected patients are placed in contact isolation. Early detection of this pathogen can hasten the isolation process, thus minimizing the spread of infection. The real time PCR assay is an important tool for detecting this organism because it can be completed in 2 hours as opposed to the traditional culturing methods, which can take 1 - 2 days.

The BD GeneOhm MRSA assay is a qualitative in vitro diagnostic test that is FDA-approved for the direct detection of nasal colonization by methicillin-resistant *Staphylococcus aureus* (MRSA). The test utilizes polymerase chain reaction (PCR) for the amplification of MRSA DNA and fluorogenic target specific hybridization probes for the detection of the amplified DNA.

TEST SCHEDULE:

- Batch testing is performed twice per day Monday through Friday, at 10:30 a.m. and 11:00 p.m. with results available within 4 hours. On Saturday and Sunday, batch testing is performed once on first shift.

SPECIMEN COLLECTION:

- This test is approved for nasal specimens only.
- Collect specimen from both nares and submit as a single specimen.
- The red-capped dual collection swab with Liquid Stuart's bacterial transport medium is recommended.
- Other bacterial swab systems with Liquid Stuart's or Liquid Amies transport medium are acceptable.
- Bacterial swabs with gel or charcoal are not acceptable.
- See attached collection guidelines.

ORDERING INFORMATION:

Test Name	Methicillin Resistant Staphylococcus aureus Nucleic Acid Amplified Test (NAAT)
Mnemonic	MRSA NAAT
Test Code	6650020
CPT Code	87641