



Who NOSE what an MRSA nasal swab is?



Who gets one?

- ICU patients in which MRSA pneumonia (PNA) is of concern
- Ex: HAP/VAP/Post-influenza PNA

What is it?

- A rapid PCR test
- Detects MRSA genetic material
- Equal sensitivity to standard respiratory culture
- Rules-out MRSA PNA faster than culture, allowing for antibiotic de-escalation sooner

When do I get one?

- Anytime MRSA PNA is of concern in an ICU patient
- Antibiotics **do not** affect results
- Results remain accurate up to 7 days



How do I order it?

- Order MRSA LAB1938



LAB1938

MRSA SCREEN, PCR, RAPID

Where do I get it?

- Nursing can get the MRSA swab from the med rooms

What do the results mean?

- Positive
 - Patient IS colonized with MRSA
 - Not indicative of MRSA infection
 - Place patient in contact precautions (by primary team)
- Negative
 - Patient is NOT colonized with MRSA
 - MRSA antibiotic coverage can be discontinued

WVU Medicine Results

- Piloted in the MICU starting October 2018
- Data analyzed from October – December 2018

Swab Result	MRSA Positive Culture	MRSA Negative Culture
Negative, n = 74	0	74
Positive, n = 14	5	11

- Negative predictive value = 100%
- Positive predictive value = 36%
- Results in 3 hours

- Comparable to published studies
- Fully implemented in MICU!

WVU Medicine Next Steps:

- Implement in all ICU's by May 2019