

Vero Diagnostics  
 3216 S Alston Ave  
 Durham, NC 27713  
 Phone: 919-341-1256

 Director: Dr. Manoj Tyagi,  
 PhD. NRCC, FAACC/FACB,  
 Fax: N/A

**Patient Name:** Mickey Mouse      **Date of Birth:** 10/05/1995      **Gender:** Female      **Race:**
**Facility Information**
**Ordering Provider:** Dr. Faraz Test  
**Facility:** Test Facility  
**Facility Phone:** 000000000  
**Facility Fax:** 1111111111

**Specimen Information**
**ACC** D2210130021  
**Collection Date:** 10/13/2022      **Report Date:** 10/13/2022  
**Received Date:** 10/13/2022      **Sample Type:**  
**Notes:**
**PATHOGENS DETECTED**


Organism	Estimates Copies/mL	Estimated Mic. Load
Staphylococcus aureus		High

**RESISTANCE GENES DETECTED**

**mecA**  
 MRSA: This gene is associated with potential resistance to Methicillin, Ampicillin, Penicillin, Oxacillin, Monobactams, Carbapenems, Cephalosporins, Clavulanate, and Ceftazidime. May use Ceftaroline in staph aureus, staph epi, and staph h

**tetB, tetM**

These genes are associated with potential resistance to tetracycline antibiotics. Smaller chance of crossover resistance to doxycycline and minocycline.

**ATA CHOICE™**
**Therapeutic Guidance**

Drug Allergies:

Notes from Ordering Physician:

Notes from Pharmacist:

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### Medication Review

Category	Medication	Route	Dose	Consideration
First Line	Clindamycin	PO/IV	300mg tid x7-14 days	Black box warning C. difficile associated diarrhea. No renal adjustment necessary.
First Line	TMP-SMX	PO	1-2 DS tabs bid x5-14 days	Avoid use with sulfa allergies. If CrCl < 30 mL/min, reduce dose 50%. Avoid using in CrCl < 15 mL/min, asthma patients, pregnancy, warfarin, and with folate deficiency. Monitor for hyperkalemia in patients taking ACE-inhibitor, ARB, or spironolactone.
Alternative	Linezolid	PO/IV	600mg PO/IV q12h x10 days	For severe infections only (MRSA, VRE). Use caution with patients taking SSRI. Monitor for serotonin syndrome. Monitor for thrombocytopenia. Limit tyramine food content <100 mg/meal. Will likely require PA. Lowers seizure threshold. Monitor blood pressure if uncontrolled HTN. No dose adjustment for renal or hepatic failure. Expensive.
Other Options	Daptomycin	IV	4-8mg/kg/day IV q24h	Adjust frequency if CrCl < 30 mL/min to q48h. Obtain baseline CPK and monitor.
Other Options	Vancomycin	IV	15-20mg/kg IV q8-48h depending on renal function and vancomycin trough levels	Dose and frequency dependent on renal function. Goal trough 15-20 mcg/ml. Caution in elderly, hearing impaired, or patients with renal impairment. No oral absorption.

Electronically approved on 10/13/2022 by: superadmin

Email: test@truemedit.com

Phone:

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### Summary of Abnormal Values

<u>Test Name</u>	<u>Flag</u>	<u>Result</u>
Staphylococcus aureus	<b>P</b>	Positive

#### Pathogens

<u>TEST NAME</u>	<u>FLAG</u>	<u>RESULT</u>
Acremonium strictum		Negative
Actinomyces israelii		Negative
Alternaria		Negative
Aspergillus fumigatus		Negative
Aspergillus niger		Negative
Aspergillus terreus		Negative
Aspergillus versicolor		Negative
Blastomyces dermatitidis		Negative
Candida albicans		Negative
Candida parapsilosis		Negative
Candida tropicalis		Negative
Cryptococcus neoformans		Negative
Enterobacter aerogenes		Negative
Enterobacter cloacae		Negative
Enterococcus faecalis		Negative
Enterococcus faecium		Negative
Epidermophyton floccosum		Negative
Fusarium oxysporum		Negative
Fusarium solani		Negative
HHV3		Negative
HSV1		Negative
HSV2		Negative
Klebsiella oxytoca		Negative
Klebsiella pneumoniae		Negative
Leishmania sp.		Negative
Microsporium sp. (ferrugineum, audouinii, canis)		Negative
Mycobacterium tuberculosis		Negative
Propionibacterium acnes (Cutibacterium acnes)		Negative

#### Antibiotic Resistance Genes

<u>TEST NAME</u>	<u>FLAG</u>	<u>RESULT</u>
Aminoglycoside		Negative
blaFOX-blaACC		Negative
blaKPC		Negative
blaSHV		Negative
CTX-M1 (15), M2 (2), M9 (9), M8/25		Negative
dfrA1/A5, sul1,2		Negative
ermA		Negative
ermB		Negative
ermC		Negative
IMP, NDM, VIM		Negative
mecA	<b>P</b>	<b>Positive</b>
OXA-48, -51		Negative
qnrA1, qnrA2, qnrB(qnrS)		Negative
TEM G236S		Negative
tetB, tetM	<b>P</b>	<b>Positive</b>
VanA, VanB		Negative

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**Pathogens**

<u>TEST NAME</u>	<u>FLAG</u>	<u>RESULT</u>
Proteus vulgaris		Negative
Pseudomonas aeruginosa		Negative
Sarcoptes scabiei		Negative
Scopulariopsis brevicaulis		Negative
Streptococcus pyogenes		Negative
Trichophyton mentagrophytes		Negative
Trichophyton rubrum		Negative
Trichophyton soudanense		Negative
Trichophyton tonsurans		Negative
Trichophyton violaceum		Negative

**The Semi Quant data provided on this report is entirely based on our preliminary validation study. Further validation is under process.**

**Disclaimer:** This test was developed and its performance characteristics were determined by VeroDx. The U.S. Food and Drug Administration has not approved or cleared this test; however, FDA clearance or approval is not currently required for clinical use. Values reported above or below either the lowest or highest analytical cut off are provided for informational purposes only. These values are extrapolated and we cannot confirm the accuracy of results beyond our analytic range. Please contact the Laboratory Services if you have specific questions regarding results.