

Advanta Genetics

10935 CR 159 Tyler, TX 75703 Phone: (903) 805-9955 Fax: (903) 839-2494 CLIA: 45D2063134 Laboratory Director: Mary Long, Ph.D., NRCC www.aalabs.com

Patient Information		Facility Information		Specimen Information	
Patient:	Test Patient	Facility:	Test Facility	Accession:	123456
Date of Birth:	01-01-1964	Provider:	Test Provider	Specimen:	
Gender:	F	Collection Date:	01-13-2023	Specimen Date:	01-13-2023

Key Summary

Pathogen(s) Detected			Resistance Gene(s) Detected	
Organism	Est. Copies/mL	Est. Microbial Load	Gene	
Serratia marcescens	1.09E+04	MEDIUM	Methicillin(MecA)	

Pharmacy Considerations

Drug Allergies

No Allergy information provided

PharmD Notes

Serratia marcescens is naturally resistant to ampicillin, macrolides, and first-generation cephalosporins, no treatment is required at low to moderate microbial loads. Most strains are susceptible to amikacin, but reports indicate increasing resistance to gentamicin and tobramycin. Quinolones also are highly active against most strains.

Disclaimer

Important clinical information such as comorbidities, renal function, patient weight, platelet count, microbiology results, etc. may influence the overall appropriateness of therapy. The provided guidance only takes drug allergies into account when they are provided and available to the pharmacist making the recommendation. The overall appropriateness of therapy must be determined by the physician treating the patient. The provider has all the patient information necessary to make that determination and should take the entire clinical presentation into account when making treatment decisions. Should the treating physician wish to discuss the provided guidance, the pharmacist is available for consult at the email provided.

Electronically Approved by Pharmacist Name, PharmD on 01-13-2023

Resistance Genes Key Description

Genes	Description			
Methicillin(MecA)	mecA This gene is acquired through expression of foreign penicillin binding protein (PBP2a) and cause resistance to Penicillin, all Beta Lactam antibiotics except for the fifth generation cephalosporins, ceftobiprole and ceftaroline.			

This nucleic acid amplification test was developed, and its performance characteristics determined by Advanta Genetics, LLC. Nucleic acid amplification tests include PCR. This test is a lab developed test and has not been cleared or approved by the FDA. This laboratory is regulated under CLIA as qualified to perform high complexity testing and accredited by the College of American Pathologists (CAP). These tests are used for clinical purposes. They should not be regarded as investigational or for research purposes.





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Advantage Nail/Paronychia FINAL RESULT

Organism(s) Tested	*Qualitative	Quantitative DNA copies / mL	Qualitative Result
Acinetobacter baumannii	N/A	N/A	NEGATIVE
Actinotignum schaalii	N/A	N/A	NEGATIVE
Aerococcus urinea	N/A	N/A	NEGATIVE
Bacteroides fragilis	N/A	N/A	NEGATIVE
Candida albicans	N/A	N/A	NEGATIVE
Candida glabrata	N/A	N/A	NEGATIVE
Candida parapsilosis	N/A	N/A	NEGATIVE
Candida tropicalis	N/A	N/A	NEGATIVE
Citrobacter freundii/braakii/koseri	N/A	N/A	NEGATIVE
Enterobacter cloacae	N/A	N/A	NEGATIVE
Enterococcus faecalis	N/A	N/A	NEGATIVE
Enterococcus faecium	N/A	N/A	NEGATIVE
Epidermophyton floccosum	N/A	N/A	NEGATIVE
Escherichia coli	N/A	N/A	NEGATIVE
Klebsiella aerogenes	N/A	N/A	NEGATIVE
Klebsiella oxytoca	N/A	N/A	NEGATIVE
Klebsiella pneumoniae	N/A	N/A	NEGATIVE
Morganella morganii	N/A	N/A	NEGATIVE
Prevotella bivia	N/A	N/A	NEGATIVE
Proteus mirabilis	N/A	N/A	NEGATIVE
Proteus vulgaris	N/A	N/A	NEGATIVE
Pseudomonas aeruginosa	N/A	N/A	NEGATIVE
Serratia marcescens	MEDIUM	1.09E+04	POSITIVE
Staphylococcus aureus	N/A	N/A	NEGATIVE
Staphylococcus saprophyticus	N/A	N/A	NEGATIVE
Streptococcus agalactiae	N/A	N/A	NEGATIVE
Streptococcus pyogenes	N/A	N/A	NEGATIVE
Trichophyton rubrum	N/A	N/A	NEGATIVE

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Antibiotic Resistance Gene(s) Tested	Result
Aminoglycoside (ant-la)	NEGATIVE
Aminoglycoside (aph3)	NEGATIVE
Beta Lactamase (TEM)	NEGATIVE
Beta Lactamase (SHV)	NEGATIVE
Beta Lactamase (CTX-M-Grp1)	NEGATIVE
Carbapenem (NDM)	NEGATIVE
Carbapenem (KPC)	NEGATIVE
Carbapenem (OXA)	NEGATIVE
Fluoroquinolone (gyrA)	NEGATIVE
Fluoroquinolone (qnr)	NEGATIVE
Methicillin (MecA)	POSITIVE
Sulfonamide (Sul1)	NEGATIVE
Tetracycline (tetB)	NEGATIVE
Trimethoprim (DfrA1)	NEGATIVE
Vancomycin (VanB)	NEGATIVE
Vancomycin (VanM)	NEGATIVE
Vancomycin (VanA)	NEGATIVE

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