

Patient Name :	Bill Date :
DOB/Age/Gender :	Sample Collected :
Patient ID / UHID :	Sample Received :
Referred By :	Report Date :
Sample Type :	Barcode No :
Client :	Report Status :

Blood Culture & Sensitivity, Bactec

NATURE OF SPECIMEN	BLOOD	
METHOD	BD PHOENIX M50	

CULTURE
Organism : Salmonella enterica ssp enterica Typhi

ANTIBIOTIC SUSCEPTIBILITY
Organism : Salmonella enterica ssp enterica Typhi

ANTIBIOTIC NAME	INTERPRETATION	MIC
AMPICILLIN	SENSITIVE	<=4
CEFTAZIDIME	SENSITIVE	<=0.5
CEFTRIAZONE	SENSITIVE	<=0.5
MEROPENEM	SENSITIVE	<=0.25
TRIMETHOPRIM/SULFAMETHOXAZOLE	SENSITIVE	<=0.5/9.5
AMPICILLIN/SULBACTAM	SENSITIVE	<=4/2
AZTREONAM	SENSITIVE	<=1
CEFEPIME	SENSITIVE	<=1
CEFTAZIDIME/AVIBACTAM	SENSITIVE	<=0.25/4
ERTAPENEM	SENSITIVE	<=0.25
IMIPENEM	SENSITIVE	<=0.25
PIPERACILLIN/TAZOBACTAM	SENSITIVE	<=4/4
CIPROFLOXACIN	RESISTANT	>2
LEVOFLOXACIN	RESISTANT	>4
AMIKACIN	RESISTANT	<=4
CEFAZOLIN	RESISTANT	>16
CEFUROXIME	RESISTANT	>16
GENTAMICIN	RESISTANT	<=2
NORFLOXACIN	RESISTANT	>8

Comment:

Note :

1. The automated **BACTEC** system is highly sensitive, so a good skin preparation is recommended to prevent growth of contaminating bacterium.
2. Periodicity of micro organism in the blood stream is characteristic for some disease. Usually two or three sets of blood culture are recommended for greater yield.



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3. Reasons for false negative blood cultures:

- a. Patient on prior antibiotic.
- b. Drawing of insufficient volume of blood.
- c. Presence of fastidious organisms like Brucella, Campylobacter, Helicobacter, Bartonella, Gardnerella, Legionella, Nocardia, Meningococcus, Gonococcus etc. which requires special media and prolonged incubation.
- d. Infection with anaerobic bacteria, mycobacteria, fungi or viruses.

4. Reasons for false positive blood cultures:

- a. Failure to use strict aseptic technique.
- b. Highly sensitive detecting system.

Automation for blood culture is under NABL accreditation but not for mycology.

*** End Of Report ***



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MD Microbiology
Consultant Microbiologist



SIN No:MB054203

* NOTE – This sample has been processed at our reference lab. For any query, write us



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1. The presented findings in the Reports are intended solely for informational and interpretational purposes by the referring physician or other qualified medical professionals possessing a comprehensive understanding of reporting units, reference ranges, and technological limitations. The laboratory shall not be held liable for any interpretation or misinterpretation of the results, nor for any consequential or incidental damages arising from such interpretation.
2. It is to be presumed that the tests performed pertain to the specimen/sample attributed to the Customer's name or identification. It is presumed that the verification particulars have been cleared out by the customer or his/her representation at the point of generation of said specimen / sample. It is hereby clarified that the reports furnished are restricted solely to the given specimen only.
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