

Dr. Vinay Chopra  
 MD (Pathology & Microbiology)  
 Chairman & Consultant Pathologist

Dr. Yugam Chopra  
 MD (Pathology)  
 CEO & Consultant Pathologist

<b>NAME</b>	: Master. GARVIT	<b>PATIENT ID</b>	: 1742085
<b>AGE/ GENDER</b>	: 4 YRS/MALE	<b>REG. NO./LAB NO.</b>	: 012502010031
<b>COLLECTED BY</b>	:	<b>REGISTRATION DATE</b>	: 01/Feb/2025 12:16 PM
<b>REFERRED BY</b>	: DHAMIJA HOSPITAL (AMBALA CANTT)	<b>COLLECTION DATE</b>	: 01/Feb/2025 12:19PM
<b>BARCODE NO.</b>	: 01524764	<b>REPORTING DATE</b>	: 03/Feb/2025 11:15AM
<b>CLIENT CODE.</b>	: KOS DIAGNOSTIC LAB		
<b>CLIENT ADDRESS</b>	: 6349/1, NICHOLSON ROAD, AMBALA CANTT		

Test Name	Value	Unit	Biological Reference interval
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## MICROBIOLOGY

### CULTURE AEROBIC BACTERIA AND ANTIBIOTIC SENSITIVITY: URINE

#### CULTURE AND SUSCEPTIBILITY: URINE

DATE OF SAMPLE : 01-02-2025  
 SPECIMEN SOURCE : URINE  
 INCUBATION PERIOD : 48 HOURS  
*by AUTOMATED BROTH CULTURE*

#### GRAM STAIN *by MICROSCOPY*

**GRAM NEGATIVE (-ve)**

#### CULTURE *by AUTOMATED BROTH CULTURE*

**POSITIVE (+ve)**

ORGANISM : Proteus sp.  
*by AUTOMATED BROTH CULTURE*

#### AEROBIC SUSCEPTIBILITY: URINE

AMOXICILLIN+CLAVULANIC ACID : RESISTANT  
*by AUTOMATED BROTH MICRORILUTION, CLSI*  
 Concentration: 8/4 µg/mL

AMPICILLIN : RESISTANT  
*by AUTOMATED BROTH MICRORILUTION, CLSI*  
 Concentration: 8 µg/mL


AMPICILLIN+SULBACTAM : SENSITIVE  
*by AUTOMATED BROTH MICRORILUTION, CLSI*  
 Concentration: 8/4 µg/mL


CHLORAMPHENICOL : SENSITIVE  
*by AUTOMATED BROTH MICRORILUTION, CLSI*  
 Concentration: 8 µg/mL

CIPROFLOXACIN : RESISTANT  
*by AUTOMATED BROTH MICRORILUTION, CLSI*  
 Concentration: 1 µg/mL

DOXYCYCLINE : RESISTANT  
*by AUTOMATED BROTH MICRORILUTION, CLSI*



  
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Test Name	Value	Unit	Biological Reference interval
Concentration: 4 µg/mL			
NALIDIXIC ACID <i>by AUTOMATED BROTH MICRODILUTION, CLSI</i>	RESISTANT		
Concentration: 16 µg/mL			
GENTAMICIN <i>by AUTOMATED BROTH MICRODILUTION, CLSI</i>	RESISTANT		
Concentration: 16 µg/mL			
NITROFURATOIN <i>by AUTOMATED BROTH MICRODILUTION, CLSI</i>	RESISTANT		
Concentration: 16 µg/mL			
NORFLOXACIN <i>by AUTOMATED BROTH MICRODILUTION, CLSI</i>	RESISTANT		
Concentration: 4 µg/mL			
MINOCYCLINE <i>by AUTOMATED BROTH MICRODILUTION, CLSI</i>	SENSITIVE		
Concentration: 4 µg/mL			
TOBRAMYCIN <i>by AUTOMATED BROTH MICRODILUTION, CLSI</i>	RESISTANT		
Concentration: 4 µg/mL			
AMIKACIN <i>by AUTOMATED BROTH MICRODILUTION, CLSI</i>	SENSITIVE		
Concentration: 16 µg/mL			
AZETREONAM <i>by AUTOMATED BROTH MICRODILUTION, CLSI</i>	SENSITIVE		
Concentration: 4 µg/mL			
CEFAZOLIN <i>by AUTOMATED BROTH MICRODILUTION, CLSI</i>	RESISTANT		
Concentration: 16 µg/mL			



*[Signature]*

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Test Name	Value	Unit	Biological Reference interval
CEFIXIME <i>by AUTOMATED BROTH MICRODILUTION, CLSI</i>	RESISTANT		
CEFOXITIN <i>by AUTOMATED BROTH MICRODILUTION, CLSI</i> Concentration: 8 µg/mL	SENSITIVE		
CEFTAZIDIME <i>by AUTOMATED BROTH MICRODILUTION, CLSI</i> Concentration: 4 µg/mL	SENSITIVE		
CEFTRIAZONE <i>by AUTOMATED BROTH MICRODILUTION, CLSI</i>	SENSITIVE		
FOSFOMYCIN <i>by AUTOMATED BROTH MICRODILUTION, CLSI</i> Concentration: 64 µg/mL	SENSITIVE		
LEVOFLOXACIN <i>by AUTOMATED BROTH MICRODILUTION, CLSI</i> Concentration: 2 µg/mL	RESISTANT		
NETLIMICIN SULPHATE <i>by AUTOMATED BROTH MICRODILUTION, CLSI</i> Concentration: 8 µg/mL	RESISTANT		
PIPERACILLIN+TAZOBACTAM <i>by AUTOMATED BROTH MICRODILUTION, CLSI</i> Concentration: 16/4 µg/mL	SENSITIVE		
TICARCILLIN+CLAVULANIC ACID <i>by AUTOMATED BROTH MICRODILUTION, CLSI</i> Concentration: 16/2 µg/mL	SENSITIVE		
TRIMETHOPRIM+SULPHAMETHAZOLE <i>by AUTOMATED BROTH MICRODILUTION, CLSI</i> Concentration: 2/38 µg/mL	RESISTANT		
CEFIPIME <i>by AUTOMATED BROTH MICRODILUTION, CLSI</i> Concentration: 2 µg/mL	SENSITIVE		



  
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Test Name	Value	Unit	Biological Reference interval
<b>DORIPENEM</b> by AUTOMATED BROTH MICRODILUTION, CLSI Concentration: 1 µg/mL	SENSITIVE		
<b>IMIPINEM</b> by AUTOMATED BROTH MICRODILUTION, CLSI Concentration: 1 µg/mL	RESISTANT		
<b>MEROPENEM</b> by AUTOMATED BROTH MICRODILUTION, CLSI Concentration: 1 µg/mL	SENSITIVE		
<b>COLISTIN</b> by AUTOMATED BROTH MICRODILUTION, CLSI Concentration: 0.06 µg/mL	RESISTANT		

#### INTERPRETATION:

1. In urine culture and sensitivity, presence of more than 100,000 organism per mL in midstream sample of urine is considered clinically significant. However in symptomatic patients, a smaller number of bacteria (100 to 10000/mL) may signify infection.
2. Colony count of 100 to 10000/ mL indicate infection, if isolate from specimen obtained by suprapubic aspiration or "in-and-out" catheterization or from patients with indwelling catheters.

#### SUSCEPTIBILITY:

1. A test interpreted as **SENSITIVE** implies that infection due to isolate may be appropriately treated with the dosage of an antimicrobial agent recommended for that type of infection and infecting species, unless otherwise indicated..
2. A test interpreted as **INTERMEDIATE** implies that the "Infection due to the isolate may be appropriately treated in body sites where the drugs are physiologically concentrated or when a high dosage of drug can be used".
3. A test interpreted as **RESISTANT** implies that the "isolates are not inhibited by the usually achievable concentration of the agents with normal dosage, schedule and/or fall in the range where specific microbial resistance mechanism are likely (e.g. beta-lactamases), and clinical efficacy has not been reliable in treatment studies.

#### CAUTION:

Conditions which can cause a false Negative culture:

1. Patient is on antibiotics. Please repeat culture post therapy.
2. Anaerobic bacterial infection.
3. Fastidious aerobic bacteria which are not able to grow on routine culture media.
4. Besides all these factors, at least in 25-40 % of cases there is no direct correlation between in vivo clinical picture.
5. Renal tuberculosis to be confirmed by AFB studies.

\*\*\* End Of Report \*\*\*



  
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