

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

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

<b>NAME</b>	: Mr. MAHINDER PAL	<b>PATIENT ID</b>	: 1695192
<b>AGE/ GENDER</b>	: 75 YRS/MALE	<b>REG. NO./LAB NO.</b>	: 012412090051
<b>COLLECTED BY</b>	:	<b>REGISTRATION DATE</b>	: 09/Dec/2024 06:53 PM
<b>REFERRED BY</b>	:	<b>COLLECTION DATE</b>	: 09/Dec/2024 06:55PM
<b>BARCODE NO.</b>	: 01522230	<b>REPORTING DATE</b>	: 11/Dec/2024 06:51PM
<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 : 09-12-2024  
 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 *by AUTOMATED BROTH CULTURE*

ESCHERICHIA COLI (E.COLI)

#### AEROBIC SUSCEPTIBILITY: URINE

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

RESISTANT

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

RESISTANT

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

RESISTANT

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

SENSITIVE


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


RESISTANT

DOXYCYCLINE  
*by AUTOMATED BROTH MICRოდILUTION, CLSI*

INTERMEDIATE



  
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Concentration: 4 µg/mL			
<b>NALIDIXIC ACID</b> <i>by AUTOMATED BROTH MICRODILUTION, CLSI</i>	RESISTANT		
Concentration: 16 µg/mL			
<b>GENTAMICIN</b> <i>by AUTOMATED BROTH MICRODILUTION, CLSI</i>	SENSITIVE		
Concentration: 16 µg/mL			
<b>NITROFURATOIN</b> <i>by AUTOMATED BROTH MICRODILUTION, CLSI</i>	INTERMEDIATE		
Concentration: 16 µg/mL			
<b>NORFLOXACIN</b> <i>by AUTOMATED BROTH MICRODILUTION, CLSI</i>	RESISTANT		
Concentration: 4 µg/mL			
<b>MINOCYCLINE</b> <i>by AUTOMATED BROTH MICRODILUTION, CLSI</i>	SENSITIVE		
Concentration: 4 µg/mL			
<b>TOBRAMYCIN</b> <i>by AUTOMATED BROTH MICRODILUTION, CLSI</i>	SENSITIVE		
Concentration: 4 µg/mL			
<b>AMIKACIN</b> <i>by AUTOMATED BROTH MICRODILUTION, CLSI</i>	SENSITIVE		
Concentration: 16 µg/mL			
<b>AZETREONAM</b> <i>by AUTOMATED BROTH MICRODILUTION, CLSI</i>	INTERMEDIATE		
Concentration: 4 µg/mL			
<b>CEFAZOLIN</b> <i>by AUTOMATED BROTH MICRODILUTION, CLSI</i>	RESISTANT		
Concentration: 16 µg/mL			
<b>CEFIXIME</b>	RESISTANT		





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



*[Signature]*

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

**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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