

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

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

NAME : Mrs. VEENA  
AGE/ GENDER : 57 YRS/FEMALE  
COLLECTED BY :  
REFERRED BY :  
BARCODE NO. : A0465912  
CLIENT CODE. : KOS DIAGNOSTIC SHAHBAD  
CLIENT ADDRESS : 6349/1, NICHOLSON ROAD, AMBALA CANTT

PATIENT ID : 1666223  
REG. NO./LAB NO. : 042411090002  
REGISTRATION DATE : 09/Nov/2024 09:31 AM  
COLLECTION DATE : 09/Nov/2024 02:58PM  
REPORTING DATE : 11/Nov/2024 05:02PM

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 09-11-2024  
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 MICRORILUTION, CLSI  
Concentration: 8/4 µg/mL

SENSITIVE

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

RESISTANT

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

SENSITIVE

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

SENSITIVE

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

INTERMEDIATE

DOXYCYCLINE  
by AUTOMATED BROTH MICRORILUTION, CLSI

SENSITIVE



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



  
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Test Name	Value	Unit	Biological Reference interval
<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	SENSITIVE		
<b>CEFTRIAXONE</b> <i>by AUTOMATED BROTH MICRODILUTION, CLSI</i>	INTERMEDIATE		
<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	INTERMEDIATE		
<b>NETLIMICIN 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	SENSITIVE		
<b>TICARCILLIN+CLAVULANIC ACID</b> <i>by AUTOMATED BROTH MICRODILUTION, CLSI</i> Concentration: 16/2 µg/mL	SENSITIVE		
<b>TRIMETHOPRIM+SULPHAMETHAZOLE</b> <i>by AUTOMATED BROTH MICRODILUTION, CLSI</i> Concentration: 2/38 µg/mL	SENSITIVE		
<b>CEFIPIME</b> <i>by AUTOMATED BROTH MICRODILUTION, CLSI</i> Concentration: 2 µg/mL	INTERMEDIATE		





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<b>DORIPENEM</b> by AUTOMATED BROTH MICRODILUTION, CLSI Concentration: 1 µg/mL	<b>SENSITIVE</b>		
<b>IMIPINEM</b> by AUTOMATED BROTH MICRODILUTION, CLSI Concentration: 1 µg/mL	<b>SENSITIVE</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>INTERMEDIATE</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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