

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

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

NAME : Miss. RIZA GANDHI
AGE/ GENDER : 8 YRS/FEMALE
COLLECTED BY :
REFERRED BY :
BARCODE NO. : A0524975
CLIENT CODE. : KOS DIAGNOSTIC SHAHBAD
CLIENT ADDRESS : 6349/1, NICHOLSON ROAD, AMBALA CANTT
PATIENT ID : 1549175
REG. NO./LAB NO. : 042407150004
REGISTRATION DATE : 15/Jul/2024 10:51 AM
COLLECTION DATE : 15/Jul/2024 04:01PM
REPORTING DATE : 15/Jul/2024 05:16PM

Test Name	Value	Unit	Biological Reference interval
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CLINICAL PATHOLOGY

URINE ROUTINE & MICROSCOPIC EXAMINATION

PHYSICAL EXAMINATION

QUANTITY RECIEVED	10	ml	
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY			
COLOUR	PALE YELLOW		PALE YELLOW
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY			
TRANSPARANCY	HAZY		CLEAR
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY			
SPECIFIC GRAVITY	1.02		1.002 - 1.030
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY			

CHEMICAL EXAMINATION

REACTION	ACIDIC		
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY			
PROTEIN	Negative		NEGATIVE (-ve)
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY			
SUGAR	Negative		NEGATIVE (-ve)
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY			
pH	<=5.0		5.0 - 7.5
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY			
BILIRUBIN	Negative		NEGATIVE (-ve)
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY			
NITRITE	Negative		NEGATIVE (-ve)
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY.			
UROBILINOGEN	Normal	EU/dL	0.2 - 1.0
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY			
KETONE BODIES	Negative		NEGATIVE (-ve)
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY			
BLOOD	Negative		NEGATIVE (-ve)
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY			
ASCORBIC ACID	NEGATIVE (-ve)		NEGATIVE (-ve)
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY			

MICROSCOPIC EXAMINATION



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RED BLOOD CELLS (RBCs) <i>by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT</i>	NEGATIVE (-ve)	/HPF	0 - 3
PUS CELLS <i>by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT</i>	12-15	/HPF	0 - 5
EPITHELIAL CELLS <i>by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT</i>	3-5	/HPF	ABSENT
CRYSTALS <i>by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT</i>	NEGATIVE (-ve)		NEGATIVE (-ve)
CASTS <i>by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT</i>	NEGATIVE (-ve)		NEGATIVE (-ve)
BACTERIA <i>by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT</i>	NEGATIVE (-ve)		NEGATIVE (-ve)
OTHERS <i>by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT</i>	NEGATIVE (-ve)		NEGATIVE (-ve)
TRICHOMONAS VAGINALIS (PROTOZOA) <i>by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT</i>	ABSENT		ABSENT




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MICROBIOLOGY

CULTURE AEROBIC BACTERIA AND ANTIBIOTIC SENSITIVITY: URINE

CULTURE AND SUSCEPTIBILITY: URINE

DATE OF SAMPLE	15-07-2024
SPECIMEN SOURCE	URINE
INCUBATION PERIOD	48 HOURS
by AUTOMATED BROTH CULTURE	
GRAM STAIN	GRAM NEGATIVE (-ve)
by MICROSCOPY	
CULTURE	POSITIVE (+ve)
by AUTOMATED BROTH CULTURE	
ORGANISM	Citrebacter sp.
by AUTOMATED BROTH CULTURE	
AEROBIC SUSCEPTIBILITY: URINE	
AMOXICILLIN+CLAVULANIC ACID	INTERMEDIATE
by AUTOMATED BROTH MICRოდILUTION, CLSI	
Concentration: 8/4 µg/mL	
AMPICILLIN	RESISTANT
by AUTOMATED BROTH MICRოდILUTION, CLSI	
Concentration: 8 µg/mL	
AMPICILLIN+SULBACTAM	SENSITIVE
by AUTOMATED BROTH MICRოდILUTION, CLSI	
Concentration: 8/4 µg/mL	
CHLORAMPHENICOL	SENSITIVE
by AUTOMATED BROTH MICRოდILUTION, CLSI	
Concentration: 8 µg/mL	
CIPROFLOXACIN	INTERMEDIATE
by AUTOMATED BROTH MICRოდILUTION, CLSI	
Concentration: 1 µg/mL	
DOXYCYCLINE	SENSITIVE



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





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Test Name	Value	Unit	Biological Reference interval
CEFIXIME <i>by AUTOMATED BROTH MICRODILUTION, CLSI</i>	SENSITIVE		
CEFOXITIN <i>by AUTOMATED BROTH MICRODILUTION, CLSI</i> Concentration: 8 µg/mL	INTERMEDIATE		
CEFTAZIDIME <i>by AUTOMATED BROTH MICRODILUTION, CLSI</i> Concentration: 4 µg/mL	SENSITIVE		
CEFTRIAXONE <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	SENSITIVE		
NETLIMICIN SULPHATE <i>by AUTOMATED BROTH MICRODILUTION, CLSI</i> Concentration: 8 µg/mL	SENSITIVE		
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	SENSITIVE		
CEFIPIME <i>by AUTOMATED BROTH MICRODILUTION, CLSI</i>	SENSITIVE		




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Test Name	Value	Unit	Biological Reference interval
Concentration: 2 µg/mL			
DORIPENEM by AUTOMATED BROTH MICRODILUTION, CLSI	SENSITIVE		
Concentration: 1 µg/mL			
IMIPINEM by AUTOMATED BROTH MICRODILUTION, CLSI	SENSITIVE		
Concentration: 1 µg/mL			
MEROPENEM by AUTOMATED BROTH MICRODILUTION, CLSI	SENSITIVE		
Concentration: 1 µg/mL			
COLISTIN by AUTOMATED BROTH MICRODILUTION, CLSI	SENSITIVE		
Concentration: 0.06 µg/mL			

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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