

CID : 2427610076
Name : MRS.CHINTA NAKSHATRA REDDY
Age / Gender : 78 Years / Female
Consulting Dr. : DAVID CHANDY
Reg. Location : CAREPOINT DIAGNOSTICS CENTER BANDRA
WEST

Collected : 02-Oct-2024 / 10:02
Reported : 03-Oct-2024 / 14:17

Urine Culture -Interim Report

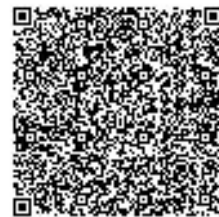
Specimen Type : Urine
INTERIM REPORT : Gram negative organism grown
Comment : Final report will follow

Sample processed at SUBURBAN DIAGNOSTICS (INDIA) PVT. LTD SDRL, Vidyavihar Lab





Dr.AVANI GALA
M.D. (MICRO)
Microbiologist



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Collected : 02-Oct-2024 / 10:02
Reported : 04-Oct-2024 / 15:19

Urine Culture -Final report

PARAMETER

RESULTS

Specimen Type : Urine

CULTURE

ORGANISM ISOLATED : Klebsiella pneumoniae

COLONY COUNT : 1,00,000 CFU/ml

Sample processed at SUBURBAN DIAGNOSTICS (INDIA) PVT. LTD SDRL, Vidyavihar Lab



Shweta Naik

Dr.SHWETA NAIK
M.D.,DNB(MICRO)
Microbiologist

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Collected: 02-Oct-2024 08:01

Reg. Location: CAREPOINT DIAGNOSTICS CENTER BANGALORE

Reported: 02-Oct-2024 14:19

ANTIMICROBIAL SUSCEPTIBILITY TEST

SAMPLE NO : 4046500194

KLEBSIELLA PNEUMONIAE (100000 colonies/ml grown)

Antimicrobial Agent(Antibiotic)	Tier	AST		
		MIC(ug/mL)	Interpretation	BMQ
Ceftriaxone	First	64.0	R	NA
Amoxicillin clavulanate	First	16.0	I	NA
Cefoperazone sulbactam	First	8.0	S	2
Piperacillin tazobactam	First	4.0	S	2
Gentamicin	First	1.0	S	2
Ciprofloxacin	First	4.0	R	NA
Trimethoprim/ sulfamethoxazole	First	320.0	R	NA
Cefuroxime	Second	64.0	R	NA
Cefepime	Second	2.0	S	1
Meropenem	Second	0.25	S	4
Ertapenem	Second	0.12	S	4
Imipenem	Second	0.25	S	4
Amikacin	Second	1.0	S	4

- S-SUSCEPTIBLE (Indicates clinically effective when used in standard therapeutic dose.)
- R-RESISTANT (Indicates clinically ineffective when used in standard or increased therapeutic dose.)
- I-INTERMEDIATE (Indicates that the drug may still be clinically effective when used with increased dose/frequency if the patient vital parameters permit. however established clinical trails are not available. It may also indicate therapeutic efficacy in physiologically concentrated sites.)

REGD. OFFICE: Dr. Lal PathLabs Ltd., Block E, Sector-18, Rohini, New Delhi - 110085. | CIN No.: L74899DL1995PLC065388

MUMBAI OFFICE: Suburban Diagnostics (India) Pvt. Ltd., Aston, 2nd Floor, Sundervan Complex, Above Mercedes Showroom, Andheri West, Mumbai - 400053.

WEST REFERENCE LABORATORY: Shop No. 9, 101 to 105, Skyline Wealth Space Building, Near Dmart, Premier Road, Vidyavihar West, Mumbai - 400086.

HEALTHLINE: 022-61700000 | E-MAIL: customerservice@suburbandiagnosics.com | WEBSITE: www.suburbandiagnosics.com

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Breakpoint to MIC Quotient (BMQ) is calculated as susceptible breakpoint divided by MIC of the test isolate. Among the same line (spectrum) of antibiotics, higher the BMQ better is the efficacy.

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MIC GUIDING TABLE

KLEBSIELLA PNEUMONIAE (MIC DETECTION RANGE IN µg/mL FOR ANTIBIOTICS)

Antibiotic	Detectable MIC Range lower than Susceptible MIC breakpoint			S	I	R	Detectable MIC Range higher than Resistant MIC breakpoint			
CEFTRIAXONE	0.25	0.5	1.0	2.0	4.0	8.0	16.0	32.0	64.0	
AMOXICILLIN CLAVULANATE	2.0	4.0	8.0	16.0	32.0					
CEFOPERAZONE SULBACTAM		8.0	16.0	32.0	64.0					
PIPERACILLIN TAZOBACTAM		4.0	8.0	16.0	32.0	64.0	128.0			
GENTAMICIN	1.0	2.0	4.0	8.0	16.0					
CIPROFLOXACIN	0.06	0.12	0.25	0.5	1.0	2.0	4.0			
TRIMETHOPRIM/ SULFAMETHOXAZOLE		20.0	40.0		80.0	160.0	320.0			
CEFUROXIME	1.0	2.0	4.0	8.0	16.0	32.0	64.0			
CEFEPIME	0.12	0.25	0.5	1.0	2.0	4.0-8.0	16.0	32.0	64.0	
ERTAPENEM		0.12	0.25	0.5	1.0	2.0	4.0	8.0		
IMIPENEM		0.25	0.5	1.0	2.0	4.0	8.0	16.0		
MEROPENEM		0.25	0.5	1.0	2.0	4.0	8.0	16.0		
AMIKACIN		1.0	2.0	4.0	8.0	16.0	32.0	64.0		

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MIC Comments

FOSFOMYCIN - <=16.0 Sensitive

INTRINSIC RESISTANCE

KLEBSIELLA PNEUMONIAE is intrinsically resistant to ampicillin, azithromycin, benzylpenicillin, clindamycin, daptomycin, erythromycin, fusidic acid, linezolid, quinupristin/dalfopristin, rifampicin, teicoplanin, ticarcillin, vancomycin.

ORGANISM SPECIFIC COMMENT

Fosfomycin interpretation not standardized susceptibility determined by zone size. Advised to use the same with caution, taking response to treatment into consideration.

ANTIBIOTICS SPECIFIC COMMENT

Ceftriaxone susceptibility test result can be extrapolated for cefotaxime for enterobacteriaceae family.
As gentamicin is nephrotoxic, kindly adjust the dosage according to the creatinine clearance.
As amikacin is nephrotoxic, kindly adjust the dosage according to the creatinine clearance.

INFECTION CONTROL ADVICE

Kindly ensure appropriate infection control measures along with contact precautions:

- Strict hand hygiene** ensure that the five moments of hand hygiene are followed
- PPE:** appropriate PPE such as gown and gloves while handling the patients
- Patient placement** in isolation room; if not available, cohorting can be followed by placing the patients with similar infection together in same ward
- Ensure a spatial separation** of 3 feet distance between beds with privacy curtain in-between
- Single-use patient dedicated equipment** such as BP cuffs, stethoscopes, nebulizer etc should be used
- Patient transfer:** infection control measures should be followed even during patient transfer

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