



**Laboratory Investigation Report** 

Patient NameCentreAge/GenderOP/IP No/Max ID/MobileMaxID/Lab IDCollection Date/TimeRef DoctorReporting Date/Time

Microbiology



## **Urine Culture & Sensitivity**

Method: Semi quantitative-Culture/ID & Sensitivity by Vitek 2

## Culture

Organism Isolated : Escherichia coli Colony Count : >=10^5 cfu/ml

Comment: As per CLSI: Fosfomycin result are valid only for urinary Isolates of E.coli. & E. faecalis.

## **Susceptibility Testing**

Organism Isolated: Escherichia coli

Antibiotic Name	Interpretation	MIC Value (μgm/ml)	MIC Range (μgm/ml)
Ertapenem	Sensitive	<=0.5	$\leq 0.5 - \geq 2$
Fosfomycin	Sensitive	<=16	<=64 ->=256
Trimethoprim/Sulfamethoxazole	Sensitive	<=20	$\leq 2/38 - \geq 4/76$
Amikacin	Sensitive	16	$\leq 16 - \geq 64$
Amoxicillin/Clavulanic Acid	Intermediate	16	$\leq 8/4 - \geq 32/16$
Cefixime	Resistant	>=4	<=1 ->=4
Ceftazidime	Resistant	16	$\leq 4 - \geq 16$
Ceftriaxone	Resistant	>=64	≤1 -≥4
Ciprofloxacin	Resistant	>=4	$\leq 0.25 - \geq 1$
Gentamicin	Resistant	>=16	$\leq 4 - \geq 16$
Nitrofurantoin	Resistant	128	≤32 -≥128
Norfloxacin	Resistant	>=16	<=4 ->=16
Ofloxacin	Resistant	>=8	<=2 ->=8
Ampicillin	Resistant	>=32	≤8 -≥32
Piperacillin/Tazobactam	Susceptibility Dose Dependent		$\leq 16/4 - \geq 128/4$

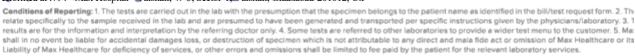
## Comment

Urine pus cells/HPF	Colony count	Interpretation
<5	10'3	Insignificant growth, more likely to be a colonizer.
		To be treated only if the patient is symptomatic
<5	10'4	Moderately significant growth. Should be correlated clinically and to be treated only if the patient is symptomatic
<5	10'5	Significant growth. Should be treated if the patient is clinically

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Test Performed at 17947-Max Hospital - Vaishali, W-3, Sector-1, Vaishali, Ghaziabad-201012, U.P.









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symptomatic

Significant growth. Should be treated if the patient is clinically 10'3 / 10'4 / 10'5

symptomatic

5 - 10 No growth Kindly rule out the cause of sterile pyuria i.e Is the patient on

antibiotics Or anyother systemic illness (e.g TB /STD)

Mixed growth of more than two types of organisms indicating

specimen colonization. Kindly send mid-stream urine sample

after proper collection.

Kindly correlate with clinical findings

Mixed growth

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

Dr. Saloni Sehgal (MBBS, MD) Principal Consultant &

Saloni

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Head Microbiology & Infection Control

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