

Supplementary Tables

Klebsiella pneumoniae (Aeration tank)

Antibiotic	Disk concentration	Result in (mm)	interpretation of the result
Ampicillin	10µg	5	Resistance
Meropenem	10µg	30	Sensitive
Imipenem	10µg	25	Sensitive
Amikacin	30µg	23	Sensitive
Cefepime	30µg	35	Sensitive
Gentamicin	10µg	20	Sensitive
Ciprofloxacin	5µg	29	Sensitive
Levofloxacin	5µg	32	Sensitive
Amoxicillin-clavulanate	20/10µg	20	Sensitive
Ceftazidime	30µg	29	Sensitive
Tetracycline	30µg	25	Sensitive
Trimethoprim sulfamethoxazole	1.25/ 23.75µg	25	Sensitive
Minocycline	30µg	30	Sensitive
Cefuroxime	10µg	25	Sensitive

Klebsiella pneumoniae (MDR)

Klebsiella pneumoniae (Clarifier tank)

Antibiotic	Disk concentration	Result in (mm)	interpretation of the result
Antibiotic	Disk concentration	Result in (mm)	interpretation of the result
Ampicillin	10µg	5	Resistance
Ampicillin	10µg	5	Resistance
Meropenem	10µg	30	Sensitive
Meropenem	10µg	35	Sensitive
Imipenem	10µg	25	Sensitive
Imipenem	10µg	25	Sensitive
Amikacin	30µg	23	Sensitive
Amikacin	30µg	23	Sensitive
Cefepime	30µg	20	Sensitive
Cefepime	30µg	35	Sensitive
Gentamicin	10µg	20	Sensitive
Gentamicin	10µg	20	Sensitive
Ciprofloxacin	5µg	29	Sensitive
Ciprofloxacin	5µg	29	Sensitive
Levofloxacin	5µg	32	Sensitive
Levofloxacin	5µg	32	Sensitive
Amoxicillin-clavulanate	20/10µg	20	Sensitive
Amoxicillin-clavulanate	20/10µg	20	Sensitive
Ceftazidime	30µg	29	Sensitive
Ceftazidime	30µg	29	Sensitive
Tetracycline	30µg	10	Resistance
Tetracycline	30µg	25	Sensitive
Trimethoprim sulfamethoxazole	1.25/23.75µg	25	Sensitive
Trimethoprim sulfamethoxazole	1.25/23.75µg	25	Sensitive
Minocycline	30µg	30	Sensitive
Minocycline	30µg	30	Sensitive
Cefuroxime	10µg	10	Resistance
Cefuroxime	10µg	10	Resistance

Klebsiella pneumoniae (Disinfection chamber)

Antibiotic	Disk concentration	Result in (mm)	Interpretation
Ampicillin	10µg	5	Resistance
Meropenem	10µg	30	Sensitive
Imipenem	10µg	25	Sensitive
Amikacin	30µg	23	Sensitive
Cefepime	30µg	35	Sensitive
Gentamicin	10µg	20	Sensitive
Ciprofloxacin	5µg	29	Sensitive
Levofloxacin	5µg	32	Sensitive
Amoxicillin-clavulanate	20/10µg	20	Sensitive
Ceftazidime	30µg	29	Sensitive
Tetracycline	30µg	25	Sensitive
Trimethoprim sulfamethoxazole	1.25/ 23.75µg	25	Sensitive
Minocycline	30µg	30	Sensitive
Cefuroxime	10µg	25	Sensitive

Klebsiella pneumoniae (Discharge outlet)

Antibiotic	Disk concentration	Result in (mm)	Interpretation
Ampicillin	10µg	5	Resistance
Meropenem	10µg	26	Sensitive
Imipenem	10µg	25	Sensitive
Amikacin	30µg	30	Sensitive
Cefepime	30µg	35	Sensitive
Gentamicin	10µg	25	Sensitive
Ciprofloxacin	5µg	29	Sensitive
Levofloxacin	5µg	32	Sensitive
Amoxicillin-clavulanate	20/10µg	20	Sensitive
Ceftazidime	30µg	29	Sensitive
Tetracycline	30µg	27	Sensitive
Trimethoprim sulfamethoxazole	1.25/ 23.75µg	25	Sensitive
Minocycline	30µg	22	Sensitive
Cefuroxime	10µg	25	Sensitive

Acinetobacter baumannii (Grit chamber)

Antibiotic	Disk concentration	Result in (mm)	Interpretation
Ampicillin	10µg	25	Sensitive
Meropenem	10µg	34	Sensitive
Imipenem	10µg	33	Sensitive
Amikacin	30µg	22	Sensitive
Cefepime	30µg	13	Resistance
Gentamicin	10µg	20	Sensitive
Ciprofloxacin	5µg	32	Sensitive
Levofloxacin	5µg	35	Sensitive
Ceftriaxone	30µg	24	Sensitive
Ceftazidime	30µg	10	Sensitive
Tetracycline	30µg	27	Resistance
Trimethoprim sulfamethoxazole	1.25/ 23.75µg	37	Sensitive
Minocycline	30µg	30	Sensitive
Cefuroxime	10µg	29	Sensitive

Acinetobacter baumannii (Clarifier tank)

Antibiotic	Disk concentration	Result in (mm)	Interpretation
Ampicillin	10µg	29	Sensitive
Meropenem	10µg	27	Sensitive
Imipenem	10µg	25	Sensitive
Amikacin	30µg	29	Sensitive
Cefepime	30µg	7	Resistance
Gentamicin	10µg	29	Sensitive
Ciprofloxacin	5µg	24	Sensitive
Levofloxacin	5µg	22	Sensitive
Ceftriaxone	30µg	25	Sensitive
Ceftazidime	30µg	5	Resistance
Tetracycline	30µg	27	Sensitive
Trimethoprim sulfamethoxazole	1.25/ 23.75µg	30	Sensitive
Minocycline	30µg	29	Sensitive
Cefuroxime	10µg	29	Sensitive

Acinetobacter baumannii (Disinfection chamber)

Antibiotic	Disk concentration	Result in (mm)	Interpretation
Ampicillin	10µg	28	Sensitive
Meropenem	10µg	21	Sensitive
Imipenem	10µg	30	Sensitive
Amikacin	30µg	22	Sensitive
Cefepime	30µg	7	Resistance
Gentamicin	10µg	23	Sensitive
Ciprofloxacin	5µg	24	Sensitive
Levofloxacin	5µg	22	Sensitive
Ceftriaxone	30µg	25	Sensitive
Ceftazidime	30µg	11	Resistance
Tetracycline	30µg	27	Sensitive
Trimethoprim sulfamethoxazole	1.25/ 23.75µg	23	Sensitive
Minocycline	30µg	29	Sensitive
Cefuroxime	10µg	31	Sensitive

Acinetobacter baumannii (Discharge outlet)

Antibiotic	Disk concentration	Result in (mm)	Interpretation
Ampicillin	10µg	28	Sensitive
Meropenem	10µg	21	Sensitive
Imipenem	10µg	30	Sensitive
Amikacin	30µg	22	Sensitive
Cefepime	30µg	7	Resistance
Gentamicin	10µg	23	Sensitive
Ciprofloxacin	5µg	24	Sensitive
Levofloxacin	5µg	22	Sensitive
Ceftriaxone	30µg	25	Sensitive
Ceftazidime	30µg	11	Resistance
Tetracycline	30µg	27	Sensitive
Trimethoprim sulfamethoxazole	1.25/ 23.75µg	23	Sensitive
Minocycline	30µg	29	Sensitive
Cefuroxime	10µg	31	Sensitive

Aeromonas hydrophila (Grit chamber)

Antibiotic	Disk concentration	Result in (mm)	interpretation
Ertapenem	10µg	30	Sensitive
Meropenem	10µg	34	Sensitive
Imipenem	10µg	24	Sensitive
Amikacin	30µg	22	Sensitive
Cefepime	30µg	32	Sensitive
Gentamicin	10µg	20	Sensitive
Ciprofloxacin	5µg	32	Sensitive
Levofloxacin	5µg	33	Sensitive
Ceftriaxone	30µg	17	Intermediate
Ceftazidime	30µg	20	Intermediate
Tetracycline	30µg	30	Sensitive
Trimethoprim sulfamethoxazole	1.25/ 23.75µg	18	Sensitive
Minocycline	30µg	28	Sensitive
Cefuroxime	10µg	29	Sensitive

Aeromonas hydrophila (Disinfection chamber)

Antibiotic	Disk concentration	Result in (mm)	Interpretation
Ertapenem	10µg	23	Sensitive
Meropenem	10µg	31	Sensitive
Imipenem	10µg	21	Sensitive
Amikacin	30µg	23	Sensitive
Cefepime	30µg	27	Sensitive
Gentamicin	10µg	28	Sensitive
Ciprofloxacin	5µg	30	Sensitive
Levofloxacin	5µg	27	Sensitive
Ceftriaxone	30µg	15	Intermediate
Ceftazidime	30µg	18	Intermediate
Tetracycline	30µg	21	Sensitive
Trimethoprim sulfamethoxazole	1.25/ 23.75µg	25	Sensitive
Minocycline	30µg	27	Sensitive
Cefuroxime	10µg	34	Sensitive

Aeromonas hydrophila (Discharge outlet)

Antibiotic	Disk concentration	Result in (mm)	interpretation of the result
Ertapenem	10µg	28	Sensitive
Meropenem	10µg	24	Sensitive
Imipenem	10µg	32	Sensitive
Amikacin	30µg	33	Sensitive
Cefepime	30µg	29	Sensitive
Gentamicin	10µg	24	Sensitive
Ciprofloxacin	5µg	23	Sensitive
Levofloxacin	5µg	22	Sensitive
Ceftriaxone	30µg	16	Intermediate
Ceftazidime	30µg	18	Intermediate
Tetracycline	30µg	26	Sensitive
Trimethoprim sulfamethoxazole	1.25/ 23.75µg	29	Sensitive
Minocycline	30µg	33	Sensitive
Cefuroxime	10µg	30	Sensitive