



# Chughtai Lab antibiogram data

(% age Susceptibility) July to December 2019

An antibiogram is an overall profile of antimicrobial susceptibility testing results of a specific microorganism to a battery of antimicrobial drugs. Antibiograms help guide the clinician and pharmacist in selecting the best empiric antimicrobial treatment in the event of pending microbiology culture and susceptibility results. They are also useful tools for detecting and monitoring trends in antimicrobial resistance.

The %value represent the percentage susceptible isolates against particular antibiotic.

## Gram Negative:

Organism	# of isolates	AMC	CRO	IPM	MEM	TZP	AK	CN	DO	CIP	LEV	SXT	NA†	F†	FOS†
Ecoli	5622	50.13%	29.25%	92.96%	92.96%	83.99%	93.28%	66.01%	36.66%	26.41%	29.14%	29.09%	14.96%	88.96%	92.52%
Enterobacter spp	126	IR	35.25%	74.19%	74.19%	60.66%	83.87%	59.48%	53.85%	44.64%	Δ	49.14%	Δ	Δ	NT
Klebsiella spp	2723	41.52%	31.89%	80.75%	80.75%	70.78%	81.71%	64.96%	42.86%	36.04%	50.96%	36.14%	31.68%	72.36%	NT
Proteus spp	466	60.06%	60.22%	NT	98.49%	96.11%	90.39%	67.49%	9.06%	52.14%	49.23%	29.70%	22.22%	IR	NT
Serratia spp	103	IR	23.53%	62.92%	62.92%	52.69%	53.40%	30.61%	52.24%	30.00%	NT	57.14%	NT	IR	NT

Organism	# of isolates	AMP	CRO	CIP	SXT	C	AZM	MEM
Salmonella Typhi (XDR cases included)	1370	23.13%	43.39%	2.41%	23.58%	23.20%	100.00%	100.00%
Salmonella Paratyphi A	173	99.42%	100.00%	6.40%	99.42%	99.42%	NT	NT

Organism	# of isolates	CAZ	IPM	MEM	TZP	AK	CN	TOB	DO	CIP	LEV	SXT
Acinetobacter spp	525	20.76%	28.88%	28.41%	26.18%	42.94%	34.44%	65.67%	50.62%	23.26%	30.00%	31.15%

Organism	# of isolates	CAZ	FEP	IPM	MEM	TZP	AK	CN	TOB	CIP	LEV
Pseudo aeruginosa	1480	71.13%	71.75%	78.40%	78.27%	79.53%	80.10%	69.28%	74.90%	62.89%	74.36%
Pseudo spp	392	63.92%	62.02%	77.63%	77.58%	79.79%	71.47%	57.22%	Δ	50.46%	58.33%

Organism	# of isolates	CAZ	MEM	MINO	LEV	SXT
Burkholderia spp	117	54.78%	60.34%	75.00%	62.50%	82.76%
Stenotrophomonas maltophilia	41	48.72%	IR	80.00%	75.68%	82.05%

## Gram Positive:

Organism	# of isolates	OX	CN	DO	CIP	LEV	SXT	E	DA	LZD	VA	FD	F†
CoNS	2266	39.45%	80.18%	82.31%	46.83%	51.60%	48.00%	27.37%	79.02%	99.87%	100.00%	58.70%	Δ
St. aureus	2937	42.34%	74.73%	83.22%	28.71%	48.19%	46.81%	42.77%	86.13%	100.00%	100.00%	91.98%	100.00%

Organism	# of isolates	AMP	CRO	DO	LEV	E	DA	LZD	VA	FOS†	F†
Enterococcus spp	1175	75.80%	NT	60.45%	25.74%	NT	IR	100.00%	98.19%	87.15%	93.49%
Streptococcus pyogenes	125	100.00%	100.00%	Δ	90.11%	76.79%	76.72%	100.00%	100.00%	NT	NT

Code	Antibiotic Name
AK	Amikacin
AMC	Amoxicillin-Clavulanic Acid
AMP	Ampicillin
AZM	Azithromycin
C	Chloramphenicol
CAZ	Ceftazidime
CIP	Ciprofloxacin
CN	Gentamicin
CRO	Ceftriaxone
DA	Clindamycin
DO	Doxycycline
E	Erythromycin
F	Nitrofurantoin
FD	Fusidic Acid
FEP	Cefepime
FOS	Fosfomycin
IPM	Imipenem
LEV	Levofloxacin
LZD	Linezolid
MEM	Meropenem
MINO	Minocycline
NA	Nalidixic Acid
OX	Oxacillin
SXT	Sulfamethoxazole-Trimethoprim
TOB	Tobramycin
TZP	Piperacillin-Tazobactam
VA	Vancomycin
NT	Not Tested
IR	Intrinsic Resistance
Δ	Less than 30 isolates tested
†	Urinary tract isolates only

\*Intrinsic resistance (IR) is the innate ability of a type of bacteria species to resist the action of an antibiotic as a consequence of the bacteria's structural or functional characteristics.