

LONG ISLAND JEWISH MEDICAL CENTER

2022 Antibiogram

Gram Negative Organisms

Organism	# Isolates	Resistance Rates (%)		Beta-Lactams										Beta-Lactam Combination Agents		Quinolones		Aminoglycosides			Others			
		CRO rate	ESBL rate	Ampicillin	Cefazolin	Ceftazidime	Ceftriaxone	Cefepime	Cefoxitin	Aztreonam	Ertapenem	Imipenem	Meropenem	Ampicillin / Sulbactam	Piperacillin / Tazobactam	Ciprofloxacin	Levofloxacin	Amikacin	Gentamicin	Tobramycin	Tigecycline	Minocycline	Trimethoprim-Sulfamethoxazole	Nitrofurantoin (urine only)
<i>Acinetobacter baumannii/nosocomialis group</i>	76	22%		IR		87		71		IR	IR	70	74	81		63	66	89	71	80			64	
<i>Citrobacter freundii</i>	50	0%		IR	IR		72	100	IR	88	98	96	100	IR	94**	84	90	100	96	94	98		86	87
<i>Citrobacter koseri</i>	95	0%		IR	96		97	98	93	96	100	100	100	97	98**	95	96	100	100	99	100		98	80
<i>Enterobacter cloacae complex</i>	183	2%		IR	IR		73	93	IR	76	89	96	100	IR	76**	92	96	100	98	98	99		89	46
<i>Escherichia coli</i>	3223	0.2%	14%	46	79		84	86	97	85	100	100	100	59	95**	70	74	100	89	89	100		68	97
<i>Klebsiella aerogenes</i>	98	3%		IR	IR		71	97	IR	90	95	90	98	IR	87**	95	96	100	98	97	100		95	49
<i>Klebsiella oxytoca/Raoultella ornitholytica</i>	106	0.9%	0%	IR	31		96	97	98	95	98	97	98	85	94**	95	97	100	98	96	99		92	93
<i>Klebsiella pneumoniae</i>	837	2%	13%	IR	81		84	85	93	84	98	98	98	71	90**	80	89	98	93	91	99		79	58
<i>Klebsiella variicola</i>	94	0%		IR	90		95	96	98	96	99	99	100	89	98**	94	98	99	96	95	100		94	91
<i>Morganella morganii</i>	88	2%		IR	IR		84	98	93	95	99		99	18	98**	80	84	99	91	95	IR		81	IR
<i>Proteus mirabilis</i>	486	0.2%	8%	72	84		90	91	100	91	100		100	90	97**	77	79	99	91	92	IR	IR	77	IR
<i>Pseudomonas aeruginosa</i>	731	16%		IR		89	IR	88		80	IR	79	88	IR	90	77	76	96	87	94	IR		IR	
<i>Serratia marcescens</i>	147	2%		IR	IR		73	97	IR	82	96		98	IR	88**	78	88	97	93	84	99		97	IR
<i>Stenotrophomonas maltophilia</i>	92			IR			IR			IR	IR	IR	IR	IR	IR		91	IR	IR	IR		98***	100	

Notes:

This antibiogram was generated using guidelines established by the Clinical and Laboratory Standards Institute (CLSI) in document CLSI M39-Ed5 2022. Only the first isolate of a given organism per patient per year is included.

Values in each cell represent the percentage of isolates susceptible to the listed antibiotic. Grey cells indicate antibiotics which are not routinely tested or reported by the microbiology laboratory.

CRO = Carbapenem Resistant Organism (does not include intermediate isolates); ESBL = Extended Spectrum Beta-Lactamase producing organism; IR = Intrinsic Resistance

*Fewer than 30 isolates will not accurately reflect the true susceptibility pattern of an organism. Please use discretion when interpreting these data.

**Percent susceptible includes isolates interpreted as Susceptible Dose Dependent (SDD).

***Minocycline susceptibility was calculated from 43 isolates.

Prepared by: Northwell Health Clinical Microbiology Laboratory

LONG ISLAND JEWISH MEDICAL CENTER

2022 Antibiogram

Gram Positive Organisms

Organism	# Isolates	Resistance Rates (%)		Beta-Lactams										Macrolides/ Tetracyclines			Quinolones		Others					HIGH-LEVEL RESISTANCE SCREENS				
		MRSA Rate	VRE Rate	Penicillin	Penicillin (meningitis)	Penicillin (non-meningitis)	Penicillin (oral)	Ampicillin	Oxacillin	Cefazolin	Ceftriaxone	Ceftriaxone (meningitis)	Ceftriaxone (non-meningitis)	Clindamycin	Erythromycin	Tetracycline	Ciprofloxacin	Levofloxacin	Trimethoprim-sulfamethoxazole	Nitrofurantoin (urine only)	Vancomycin	Daptomycin	Linezolid	Gentamicin	Streptomycin			
<i>Coagulase Negative Staphylococci</i>	406								51	50						58	38	81	77		76			100	100	100		
<i>Staphylococcus lugdunensis</i>	73								85	85						79	70	92	96		99			100	100	100		
<i>Staphylococcus epidermidis</i>	207								36	36						50	30	81	66		67			100	100	100		
<i>Staphylococcus aureus</i>	1337	33							66	66						73	45	90	68		97	99		100	100	100		
<i>Enterococcus faecalis</i>	1088		3					100			IR	IR	IR	IR	IR			25	83	87	IR	100	97	100	100	83	89	
<i>Enterococcus faecium</i>	174		51					17			IR	IR	IR	IR	IR			28	15	18	IR	45	48	86 [§]	100	81	67	
<i>Streptococci (Viridans Group)</i>	114			84											85	52				75				98				
<i>Streptococcus agalactiae (Group B)</i>	34			100											44					96				97				
<i>Streptococcus pneumoniae</i>	45				67	100	67								76	66				98	79			100				

Notes:

This antibiogram was generated using guidelines established by the Clinical and Laboratory Standards Institute (CLSI) in document CLSI M39-Ed5 2022. Only the first isolate of a given organism per patient per year is included.

Values in each cell represent the percentage of isolates susceptible to the listed antibiotic. Grey cells indicate antibiotics which are not routinely tested or reported by the microbiology laboratory.

MRSA = Methicillin Resistant *Staphylococcus aureus*; VRE = Vancomycin Resistant Enterococci; IR = Intrinsic Resistance

Coagulase Negative Staphylococci includes the following species: *S. epidermidis*, *S. lugdunensis*, *S. haemolyticus*, *S. hominis*, *S. saprophyticus*, and *S. capitis*.

Streptococci (Viridans Group) includes the following species: *S. mitis* group, *S. milleri*, *S. intermedius*, *S. constellatus*, *S. bovis*, *S. anginosus*, *S. sanguinis*, *S. salivarius/*vestibularis group, *S. suis*, *S. galloyticus*, *S. lutetiensis*, and *S. mutans*.

*Fewer than 30 isolates will not accurately reflect the true susceptibility pattern of an organism. Please use discretion when interpreting these data.

§Percent susceptible includes isolates interpreted as Susceptible Dose Dependent (SDD).

Prepared by: Northwell Health Clinical Microbiology Laboratory