

ARG/ABX Reference Guide

		Resistance Gene																	
Antibiotic Class	Antibiotic Name	ACT	CMY	CTX-M Group	dfrA Group	DHA	FOX	KPC	mecA	OXA-1 / GES	PER	Qnr Group	SHV	Sul1 / Sul2	TEM	tetM	van Group	VEB	VIM
Carbapenems	Biapenem							✓		✓			✓						✓
	Doripenem							✓		✓			✓						✓
	Ertapenem							✓		✓			✓						✓
	Imipenem							✓		✓			✓						✓
	Meropenem							✓		✓			✓						✓
	Meropenem / Vaborbactam							✓		✓			✓						✓
	Panipenem							✓		✓			✓						✓
	Razupenem							✓		✓			✓						✓
	Tebipenem							✓		✓			✓						✓
	Thienamycin								✓		✓			✓					
Cephamycin	Cefotetan	✓	✓	✓		✓	✓	✓		✓	✓		✓		✓			✓	✓
	Cefoxitin	✓	✓	✓		✓	✓	✓		✓	✓		✓		✓			✓	✓
Cephems	Cefaclor	✓	✓	✓		✓	✓	✓		✓	✓		✓		✓			✓	✓
	Cefadroxil	✓	✓	✓		✓	✓	✓		✓	✓		✓		✓			✓	✓
	Cefalotin	✓	✓	✓		✓	✓	✓		✓	✓		✓		✓			✓	✓
	Cefazolin	✓	✓	✓		✓	✓	✓		✓	✓		✓		✓			✓	✓
	Cefdinir	✓	✓	✓		✓	✓	✓		✓	✓		✓		✓			✓	✓
	Cefditoren	✓	✓	✓		✓	✓	✓		✓	✓		✓		✓			✓	✓
	Cefepime	✓	✓	✓		✓	✓	✓		✓	✓		✓		✓			✓	✓
	Cefiderocol	✓	✓	✓		✓	✓	✓		✓	✓		✓		✓			✓	✓
	Cefixime	✓	✓	✓		✓	✓	✓		✓	✓		✓		✓			✓	✓
	Cefoperazone / Sulbactam	✓	✓	✓		✓	✓	✓		✓	✓		✓		✓			✓	✓
	Cefotaxime	✓	✓	✓		✓	✓	✓		✓	✓		✓		✓			✓	✓
	Cefpodoxime	✓	✓	✓		✓	✓	✓		✓	✓		✓		✓			✓	✓
	Cefprozil	✓	✓	✓		✓	✓	✓		✓	✓		✓		✓			✓	✓
	Ceftaroline / Fosamil	✓	✓	✓		✓	✓	✓		✓	✓		✓		✓			✓	✓
	Ceftazidime	✓	✓	✓		✓	✓	✓		✓	✓		✓		✓			✓	✓
	Ceftazidime / Avibactam	✓	✓	✓		✓	✓	✓		✓	✓		✓		✓			✓	✓
	Ceftibuten	✓	✓	✓		✓	✓	✓		✓	✓		✓		✓			✓	✓
	Ceftizoxime	✓	✓	✓		✓	✓	✓		✓	✓		✓		✓			✓	✓
	Ceftobiprole	✓	✓	✓		✓	✓	✓		✓	✓		✓		✓			✓	✓
	Ceftolozane / Tazobactam	✓	✓	✓		✓	✓	✓		✓	✓		✓		✓			✓	✓
	Ceftriaxone	✓	✓	✓		✓	✓	✓		✓	✓		✓		✓			✓	✓
	Cefuroxime	✓	✓	✓		✓	✓	✓		✓	✓		✓		✓			✓	✓
	Cephalexin	✓	✓	✓		✓	✓	✓		✓	✓		✓		✓			✓	✓
	Cephadrine	✓	✓	✓		✓	✓	✓		✓	✓		✓		✓			✓	✓
Fluoroquinolones	Ciprofloxacin											✓							
	Delafloxacin											✓							
	Gemifloxacin											✓							
	Levofloxacin											✓							
	Moxifloxacin											✓							
	Norfloxacin											✓							
	Ofloxacin											✓							
Glycopeptides	Vancomycin																✓		
Monobactams	Aztreonam	✓	✓	✓		✓	✓	✓	✓	✓	✓		✓		✓			✓	✓
	Nocardicin A	✓	✓	✓		✓	✓	✓	✓	✓	✓		✓		✓			✓	✓
	Tabtoxinine	✓	✓	✓		✓	✓	✓	✓	✓	✓		✓		✓			✓	✓
	Tigemonam	✓	✓	✓		✓	✓	✓	✓	✓	✓		✓		✓			✓	✓

[illegible]

ARG Menu With UTI Correlation

ARG Targets

	Acinetobacter baumannii	Citrobacter freundii	Citrobacter koseri	Coagulase Negative Staph	Enterobacter cloacae	Enterococcus faecalis	Enterococcus faecium	Escherichia coli	Klebsiella aerogenes	Klebsiella oxytoca	Klebsiella pneumoniae	Morganella morganii	Pantoea agglomerans	Proteus mirabilis	Providencia stuartii	Pseudomonas aeruginosa	Serratia marcescens	Staphylococcus aureus
ACT		✓			✓			✓	✓		✓							✓
CMY	✓	✓	✓		✓			✓	✓	✓	✓			✓	✓			✓
CTX-M Group	✓	✓	✓		✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
dfrA Group	✓	✓	✓		✓			✓	✓	✓	✓	✓		✓	✓	✓	✓	✓
DHA		✓						✓	✓	✓	✓	✓		✓	✓			✓
FOX		✓						✓	✓	✓	✓		✓			✓		
KPC	✓	✓	✓		✓			✓	✓	✓	✓	✓		✓	✓	✓	✓	✓
mecA				✓														✓
OXA-1 / GES	✓	✓	✓		✓			✓	✓	✓	✓	✓		✓	✓	✓	✓	✓
PER	✓	✓						✓			✓	✓		✓		✓		
Qnr Group	✓	✓	✓		✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
SHV	✓	✓	✓		✓			✓	✓	✓	✓					✓	✓	✓
Sul1 / Sul2	✓	✓	✓		✓			✓	✓	✓	✓	✓		✓	✓	✓	✓	✓
TEM	✓	✓	✓		✓			✓	✓	✓	✓			✓	✓	✓	✓	✓
tetM						✓	✓											✓
van Group						✓	✓											
VEB	✓	✓	✓		✓			✓	✓	✓	✓	✓		✓	✓	✓	✓	✓
VIM	✓	✓			✓			✓	✓	✓	✓	✓		✓	✓	✓	✓	✓



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