

Bacterial Drug Resistance

More commonly, the term Drug Resistance is used in the context of resistance that pathogens have “acquired”. When a microorganism is resistant to more than one drug, it is said to be multidrug-resistant (MDR). Resistance to β -lactam antibiotics which include the penicillins (oxacillin, methicillin, dicloxacillin, nafcillin etc.) and the cephalosporins make difficult to treat infections with standard types of antibiotics. In addition to β -lactam/carbapenem resistance, Enterobacteriaceae often carry genes that confer high levels of resistance to many other antimicrobials, often leaving very limited therapeutic options.

Drug resistance Kits

B1772-96FRT SA, RG, MX, iQ, SC, A, B	Staphylococcus aureus Real-TM NEW Real Time Amplification kit	R		96
B78-100FRT SA, RG, MX, iQ, SC, A, B	MRSA Quant Real-TM Real Time Amplification kit for quantitative detection of Methicillin-Resistant-Staphylococcus aureus	R	€€	100
C1-100FRT SA, RG, A, B	MDR MBL (VIM, IMP, NDM) Real-TM Real Time Amplification kit for detection of genes VIM, IMP and NDM in Enterobacteriaceae and NFGNB*	R	€€	100
C2-100FRT SA, RG, A, B	MDR KPC/OXA Real-TM Real Time Amplification kit for detection of genes KPC, OXA-48 and OXA-162 in Enterobacteriaceae and NFGNB	R	€€	100
T01781-50-T SA, RG, iQ, MX, A, B	Resistance cephalosporins-1 Real Time PCR test for Enterobacteriaceae resistance, genes CTX-M - ready to use 0,2 ml tube format	R		60
T01782-50-T SA, RG, iQ, MX, A, B	Resistance cephalosporins-2 Real Time PCR test for S.aureus resistance, genes MecA - ready to use 0,2 ml tube format	R		60
T01784-50-T SA, RG, iQ, MX, A, B	Resistance carbapenems-1 Real Time test for Enterobacteriaceae e Pseudomonas resistance, genes VIM - ready to use 0,2 ml tube format	R		60
T01785-50-T SA, RG, iQ, MX, A, B	Resistance carbapenems-2 Real Time PCR test for Enterobacteriaceae resistance, genes NDM - ready to use 0,2 ml tube format	R		60
T01786-50-T SA, RG, iQ, MX, A, B	Resistance carbapenems-3 Real Time PCR test for Enterobacteriaceae resistance, genes OXA-48 - ready to use 0,2 ml tube format	R		60
T01746-50-T SA, RG, iQ, MX, A, B	Resistance carbapenems-4 Real Time PCR test for Enterobacteriaceae resistance, genes KPC - ready to use 0,2 ml tube format	R		60
T01787-50-T SA, RG, iQ, MX, A, B	Resistance glycopeptides Real Time PCR test for Enterococcus faecalis and E. faecium resistance to Vancomycin and Teicoplanin, genes VanA and VanB - ready to use 0,2 ml tube format	R		60
T01788-50-T SA, RG, iQ, MX, A, B	Resistance penicillins Real Time PCR test for Enterobacteriaceae and Pseudomonas resistance to penicillins and first-generation cephalosporins, genes TEM - ready to use 0,2 ml tube format	R		60
T01747-50-T SA, RG, iQ, MX, A, B	Resistance macrolides-1 Real Time PCR test for Streptococcus spp Staphylococcus spp resistance to macrolides, lincosamides, streptogramins, gene ErmB - ready to use 0,2 ml tube format	R		60
T01748-50-T SA, RG, iQ, MX, A, B	Resistance macrolides-2 Real Time PCR test for Streptococcus spp resistance to macrolides; genes Mef - ready to use 0,2 ml tube format	R		60
C8-96FRT SA, RG, iQ, MX, A, B	Resistance Screen Plus Real-TM NEW Real Time PCR test for detection of St. aureus+Staph. spp+MecA, E. faecalis/E. faecium+VanA+VanB, Acinetobacter baumannii+blaOXA23+blaOXA40, P. aeruginosa+blaVim+blaNDM, Klebsiella pneumoniae+blaKPC+blaOXA48, E.coli+blaOXA10+blaCTX-M, Enterobacter cloacae+blaDHA+blaGES, Streptococcus spp+Mef+ErmB - ready to use 0,2 ml strip format	R		12

*NFGNB: Non Fermenting Gram Negative Bacteria