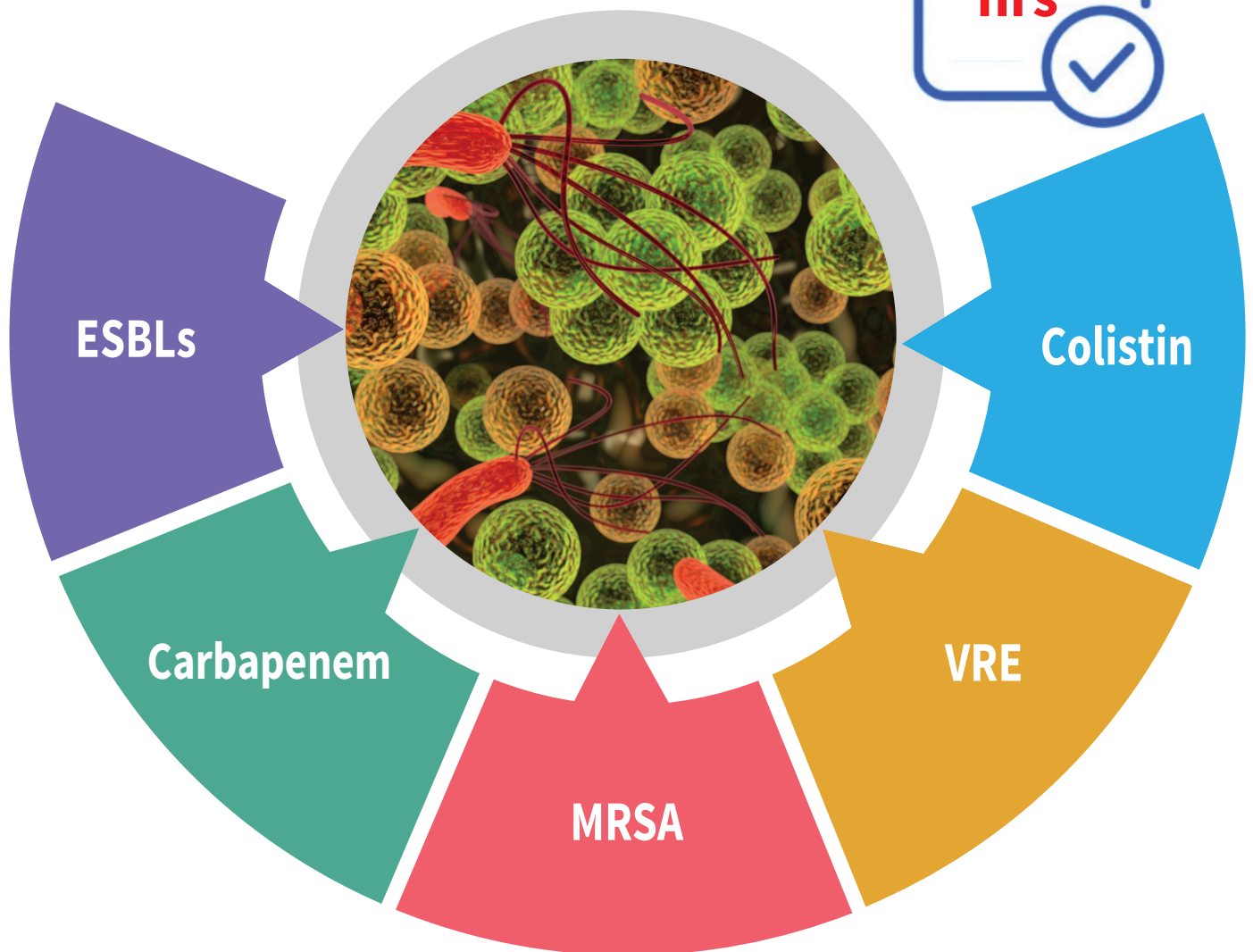


AMR Molecular Diagnostics



Qualitative & Quantitative AMR Detection Kits

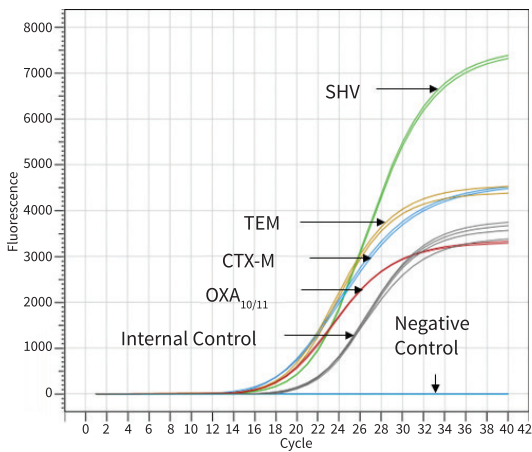
Hi-PCR® AMR Multiplex Probe PCR Kits

Type of AMR	Resistance to Antibiotics	Targets gene	Detection	Quantification
ESBL	β -Lactams, Cephalosporins, Aztreonam	CTX-M, TEM, SHV, OXA-10/11	MBPCR131*#	MBPCR226
Carbapenem	Cephalosporins, Carbapenems	<ul style="list-style-type: none"> ▪ Group1 - KPC, NDM, VIM, IMP ▪ Group2 - OXA-23, OXA-48, OXA-51, OXA-58 	MBPCR132*#	MBPCR227
MRSA	β -Lactams & related antibiotics	S. aureus, Staphylococcus spps, mecA, mecC	MBPCR133*	—
VRE	Vancomycin & Teicoplanin	vanA, vanB, Enterococcus spps	MBPCR134*	—
Colistin	Colistin	mcr-1	MBPCR209*	MBPCR228

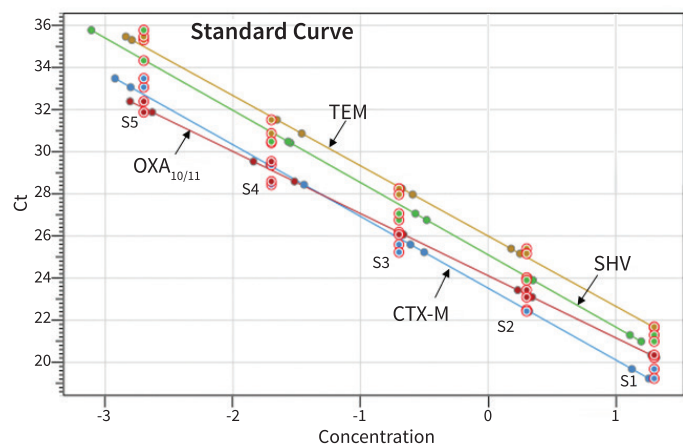
* CE-IVD Approved Kits # Patent applied

Performance of Gene Detection & Quantification Probe PCR Kit

Qualitative Data



Quantitative Data



% Efficiency : 95 to 105%
Slope: -3.2 to -3.5
R²: -0.997 to -0.999

Standard	Concentration	Copy number
S1	20	1 x 10 ⁶
S2	2	1 x 10 ⁵
S3	0.2	1 x 10 ⁴
S4	0.02	1 x 10 ³
S5	0.002	1 x 10 ²

* Representative Data of ESBL Gene Detection & Quantification Probe Kits

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