



EntericBio[®] realtime CPE

- OXA-48
- KPC
- NDM
- VIM
- IMP
- GES

Specimen type:
stool samples, rectal swabs (in liquid medium) and culture isolates

The EntericBio[®] molecular system is rapid, reliable and easy to use, providing results within 3 hours direct from sample.

The system can process 1-46 samples per run with no DNA extraction, automated set up and lyophilised ready to use assays.



CPE

EntericBio®CPE Assay v's Reference Method

Independent clinical evaluation of the use of EntericBio CPE (EBCPE) assay for testing of rectal swabs, in liquid medium, was carried out at 5 clinical laboratories in Ireland from September 2017 – April 2018. Routine reference methods incorporated screening of all rectal swabs with culture methods followed by confirmation of relevant carbapenemase gene using molecular methods.

Rectal Swabs		EntericBio	
		Positive	Negative
Reference Method	Positive	98	0
	Negative	2*	1331

* Cp values >38

		95% CI
• Sensitivity	1.00	0.95 - 1.00
• Sensitivity	0.99	0.99 - 1.00
• PPV	0.98	0.92 - 0.99
• NVP	1.00	0.99 - 1.00

	EntericBio	Reference Method
OXA-48	44 (44)	44
KPC	17 (15)	15
NDM	13 (13)	13
IMP	10 (10)	10
VIM	9 (9)	9
GES	7 (7)	7
Negative	1131	1133
TOTAL	1226	

5 dual infections

Culture isolates		EntericBio	
		Positive	Negative
Reference Method	Positive	108	0
	Negative	0	46

		95% CI
• Sensitivity	1.00	0.96 - 1.00
• Sensitivity	1.00	0.90 - 1.00
• PPV	1.00	0.96 - 0.99
• NVP	1.00	0.90 - 1.00

	EntericBio	Reference Method
OXA-48 like	41 (41)	41
KPC	4 (4)	4
NDM	36 (36)	36
VIM	22 (22)	22
IMP	2 (2)	2
GES	3 (3)	3
Negative (TND)	46 (46)	46
TOTAL ISOLATES	149	

5 samples dual infection with NDM

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