

A *Taq*Man Probe-Based Multiplex Real-Time PCR for Simultaneous Detection of Porcine Epidemic Diarrhea Virus Subtypes G1 and G2, and Porcine Rotavirus Groups A and C

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Table S1. Repeatability of the duplex real-time PCR assay.

Plasmid	Concentration (copies/μL)	Intra-assay Ct value			Inter-assay Ct value	CV%
		Group1(average)	Group2(average)	Group3(average)	Mean±SD	
PEDV- G1	10 ¹	33.66	32.41	32.05	32.71±0.69	2.11%
	10 ²	30.94	31.04	30.58	30.85±0.20	0.65%
	10 ³	27.87	27.55	27.03	27.48±0.35	1.27%
	10 ⁴	24.44	24.12	23.65	24.07±0.32	1.33%
	10 ⁵	21.05	20.87	20.48	20.80±0.24	1.15%
	10 ⁶	17.49	17.43	17.10	17.34±0.17	0.98%
	10 ⁷	14.05	13.77	13.80	13.87±0.13	0.94%
PEDV- G2	10 ²	34.03	34.50	34.34	34.29±0.20	0.58%
	10 ³	31.33	32.08	31.04	31.48±0.44	1.40%
	10 ⁴	28.29	28.80	28.12	28.40±0.29	1.02%
	10 ⁵	24.73	25.51	25.11	25.12±0.32	1.27%
	10 ⁶	21.37	22.06	21.38	21.60±0.32	1.48%
	10 ⁷	18.34	18.10	17.63	18.02±0.29	1.61%
RVA	5×10 ¹	33.09	33.13	33.35	33.19±0.12	0.36%
	10 ²	32.82	32.93	32.91	32.89±0.05	0.15%
	10 ³	29.23	30.06	29.98	29.76±0.37	1.24%
	10 ⁴	26.38	26.89	26.83	26.70±0.23	0.86%
	10 ⁵	22.97	23.45	23.49	23.30±0.24	1.03%
	10 ⁶	19.68	20.90	19.92	20.17±0.53	2.63%
	10 ⁷	16.26	17.42	16.94	16.88±0.48	2.84%

RVC	5×10 ¹	34.21	34.31	34.27	34.26±0.04	0.12%
	10 ²	33.03	33.62	33.39	33.35±0.24	0.72%
	10 ³	30.30	30.01	30.26	30.19±0.13	0.43%
	10 ⁴	27.24	27.31	27.03	27.19±0.12	0.44%
	10 ⁵	23.10	23.45	23.53	23.36±0.19	0.80%
	10 ⁶	19.99	19.38	19.86	19.74±0.26	1.33%
	10 ⁷	15.54	15.09	15.32	15.32±0.18	1.20%

SD=Standard Deviation

Table S2. Conformity of detection from co-infection clinical specimens

Results of co-infection	Number of samples	Conformity rate between the two methods
PEDV-G1+RVC	1	100%
PEDV-G2+RVA	5	100%
RVA+RVC	3	100%
PEDV-G2+RVA+RVC	1	100%