

VDRG[®] BoviDia-5 Ag Rapid kit

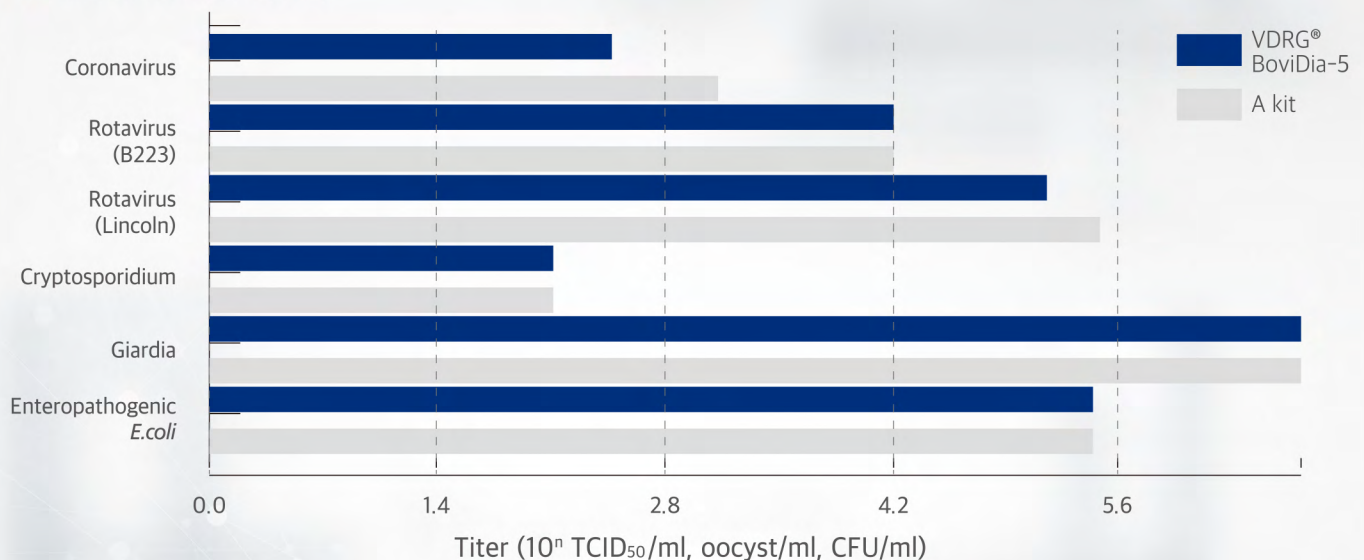


Advantages of VDRG[®] BoviDia-5 Ag Rapid kit

- Differential diagnosis of 5 different bovine enteric pathogens including coronavirus, rotavirus, cryptosporidium, giardia, and pathogenic *E.coli*
- Available rapid kit at field farm condition
- Applicable to various suspect specimens (ex, fecal sample, infected intestine, and cultivated bacteria or viruses etc)
- The highest sensitivity and detection limits

Performances of VDRG[®] BoviDia-5 Ag Rapid kitB

Limit of Detection (LOD)



»» The highest LOD!!

Sensitivity & Specificity

Pathogens	Number of samples (Positive/Negative)*	Sensitivity(%)	Specificity(%)
Coronavirus	606 (63/543)	92.1	97.8
Rotavirus	706 (286/420)	90.6	96.2
Cryptosporidium	606 (45/561)	95.6	99.6
Giardia	606 (43/563)	93	98.9
Enteropathogenic <i>E.coli</i>	606 (36/570)	91.7	100

*PCR results

Cross reactivity with heterogenous pathogens

Pathogens	Titer(TCID ₅₀ /mℓ)	Results of VDRG® BoviDia-5				
		Corona	Rota	Crypto	Giardia	E.coli
BVDV	10 ^{6.1}	-	-	-	-	-
IBRV	10 ^{4.3}	-	-	-	-	-
Parainfluenza virus	10 ^{6.1}	-	-	-	-	-
Bovine herpes virus	10 ^{5.9}	-	-	-	-	-
Akabane virus	10 ^{6.3}	-	-	-	-	-
Aino virus	10 ^{6.5}	-	-	-	-	-
BRSV	10 ^{4.9}	-	-	-	-	-

Interpretation

Positive

Coronavirus

Rotavirus

Cryptosporidium

Giardia

E.coli(K99)

Negative

Coronavirus

Re-test

Coronavirus

E.coli(K99)