



VDRG® FMDV 3Diff/PAN Ag Rapid kit

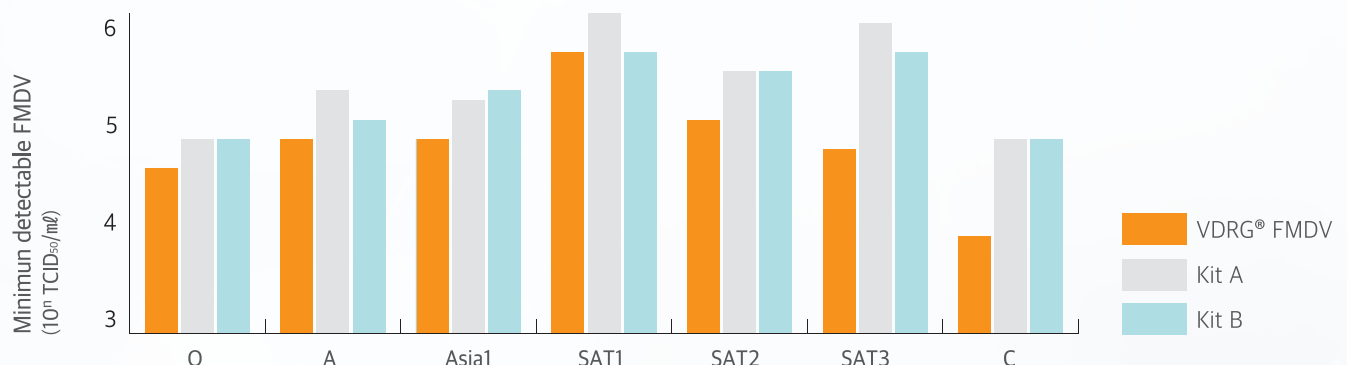


Advantages of VDRG® FMDV 3Diff/PAN Ag Rapid kit

- Differential diagnosis of 3 different serotypes (O, A, Asia1) of FMD virus
- Available Rapid kit at field farm condition
- Applicable to various suspect specimens (vesicular fluid, infected tissue, saliva, and cultivated virus etc)
- Concurrent diagnosis both of a FMD virus's common antigen(all 7 serotypes) and serotype-specific antigens(O, A, Asia1)

Performances of VDRG® FMDV 3Diff/PAN Ag Rapid kit

● Limit of Detection (LOD)



»» The Highest LOD!

○ Clinical Sensitivity

Serotypes	Sensitivity(%)		
	VDRG® FMDV	Kit A	Kit B
O	88	60	NT
A	100	10	40
Asia1	100	52	50
SAT1	100	NT	0
SAT2	100	NT	0
SAT3	100	NT	0
C	75	75	100

○ Clinical Specificity depending on the species of animals

Species	Number of sample	Number of negative	Specificity	Total
Cattle	92	92	100%	99.6%
Pig	400	398	99.50%	

○ Cross reactivity(Cross reactivity with heterogeneous pathogens)




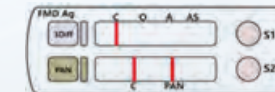
Viruses	VDRG® FMDV 3Diff/PAN Ag Rapid kit	
	3Diff	PAN
Vesicular stomatitis virus	Negative	Negative
Swine vesicular disease virus	Negative	Negative
Seneca valley virus	Negative	Negative
PRRS virus (NA type)	Negative	Negative
PRRS virus (EU type)	Negative	Negative
Classical swine fever virus	Negative	Negative

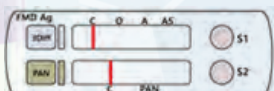
○ Cross reactivity(Cross reactivity among serotypes of FMDV)

Serotype	VDRG® FMDV 3Diff/PAN Ag Rapid kit			
	3Diff			PAN
	O	A	Asia1	PAN
O	Positive	Negative	Negative	Positive
A	Negative	Positive	Negative	Positive
Asia1	Negative	Negative	Positive	Positive
SAT1	Negative	Negative	Negative	Positive
SAT2	Negative	Negative	Negative	Positive
SAT3	Negative	Negative	Negative	Positive
C	Negative	Negative	Negative	Positive

Interpretation

Serotype
O
A
Asia-1
Others (SAT1,2,3,C)

Positive





Negative


Re-test
