

○ Virus

● Foot-and-mouth disease virus

The 3D region of foot-and-mouth disease virus (FMDV), the causative agent of foot-and-mouth disease, was detected by ultra-rapid real-time RT-PCR.

○ Instruments and reagents

- GeneSoC® mini R
- GeneSoC® mini PCR chips
- GeneSoC® RT-PCR Master Mix

○ Primers and Probes

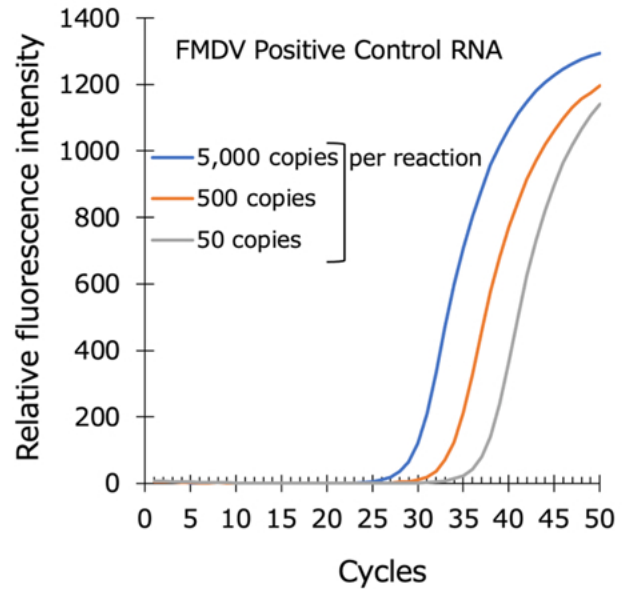
J Am Vet Med Assoc. 2002;220(11):1636-42.

○ Template

Synthetic RNA (FMDV 3D region)

Related Products

- Ultra-rapid real-time PCR system GeneSoC® mini R
- GeneSoC® mini PCR chips
- GeneSoC® RT-PCR Master Mix



○ PCR Protocol

	Temp.(°C)	Time(sec)	Cycle
RT	42	60	1
HS	98	5	
DN	98	3	50
AE	65	8	

(Time required: approx. 14.5 minutes)

- HS : Hot Start
- DN : Denature
- AE : Annealing / Extension

※ For more detailed experimental conditions, please contact us.



Ultra-rapid real-time PCR system

GeneSoC® mini R

<https://genesoc.jp/en/application-note/>



Palm-sized PCR device

