

BioNote's CCV Ag test kit's Accuracy Confirmed

Newly published research proved BioNote's CCV Ag test kit is ideal substitute for the gold standard, nested PCR. As its method is precise and simple, it is suitable for animal clinics.

Accurate result

93.1% Sensitivity, 97.1% Specificity, 96.1% Accuracy compared to the gold standard, PCR

		Nested PCR		Total
		Positive	Negative	
Antigen rapid	Positive	54	3	57
CCV Ag test kit	Negative	4	118	122
Total		58	121	179

Sensitive measurement range

Antigen detection limit: 1.97×10^4 /mL - 9.85×10^3 /mL

Titer (TCID50/mL)	Rapid kit	Nested PCR	Titer (TCID50/mL)	Rapid kit	Nested PCR
1.25×10^6	Positive	Detected	9.85×10	Negative	Detected
6.25×10^5	Positive	Detected	4.93×10	Negative	Detected
3.13×10^5	Positive	Detected	2.47×10^3	Negative	Detected
1.57×10^5	Positive	Detected	1.24×10^3	Negative	Detected
7.85×10^4	Positive	Detected	6.20×10^2	Negative	Detected
3.93×10^4	Positive	Detected	3.10×10^2	Negative	Detected
1.97×10^4	Positive	Detected	1.55×10^2	Negative	Not detected

No cross-reactivity

Dose not cross-react with other canine viruses.

	Cross-reactivity
Canine parvovirus	No
Canine distemper virus	No
Porcine transmissible gastroenteritis virus	Yes
Escherichia coli	No

출처) Clinical evaluation of a rapid diagnostic test kit for detection of canine coronavirus Seung-Jae Yoon, Kyoung-Won Seo, Kun-Ho Song, College of Veterinary Medicine, Chungnam National University, Daejeon 34134, South Korea

