

FOR VETERINARY USE ONLY

Vcheck M

Ver.2

State-of-the-art POC Molecular Diagnostic System



Vcheck M10 Console

SIMPLE & EASY CONTROLLER AND ACCURATE DATA MANAGER



Seamless connectivity (LIS/HIS)



Accurate data analysis algorithm



User friendly interface with animated guide



Specification

Model	: Vcheck M10 Console
Test capacity	: Up to 8 Modules per Console
Power	: AC100~240V, 50/60 Hz
Display	: 10.1" Color Touch Screen
Memory	: 5,000 results (Ct values & amplification curves)
Barcode scanner	: Built-in
Connectivity	: HL7 PCD-01 profile support
Dimension	: 17 * 23 * 39 cm
Weight	: 2 Kg

Ordering Information

Product No.	Product Name	Operating Condition	Packing Unit
VCM752EA	Vcheck M10 Console	10 ~ 40 °C	1 EA

Vcheck M10 Module

RANDOMLY ACCESSIBLE ANALYZER



Minimum maintenance requirements



Easy connection between Modules



Automated nucleic acid extraction
& amplification



Not
Connected



Connecting



Connection
Completed



Running



Status LED

Cartridge door

Specification

Model	: Vcheck M10 Module
Test capacity	: 1 test at a time
Power	: AC100~240V, 50/60 Hz
Extraction	: Silica Technology
Test method	: Real-time PCR, LAMP
Thermo module	: Peltier module
Optic module	: 3 channel (FMA, HEX, Cy5)
Dimension	: 14 * 32 * 33 cm
Weight	: 7 Kg

Ordering Information

Product No.	Product Name	Operating Condition	Packing Unit
VCM753EA	Vcheck M10 Module	10 ~ 40 °C	1 EA

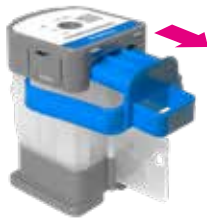
Easy 4-step test procedure

1 Scan the sample ID

2 Scan the cartridge code

3 Apply the sample & close the cartridge

4 Insert the cartridge



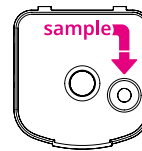
Remove the safety clip



Press down the lid



Dispense the sample



Close the lid

Automatic Result Reading

- No need to set threshold or read result according to cut-off
- Ct value and amplification curve can be checked

Summary



Amplification



Details



Vcheck M

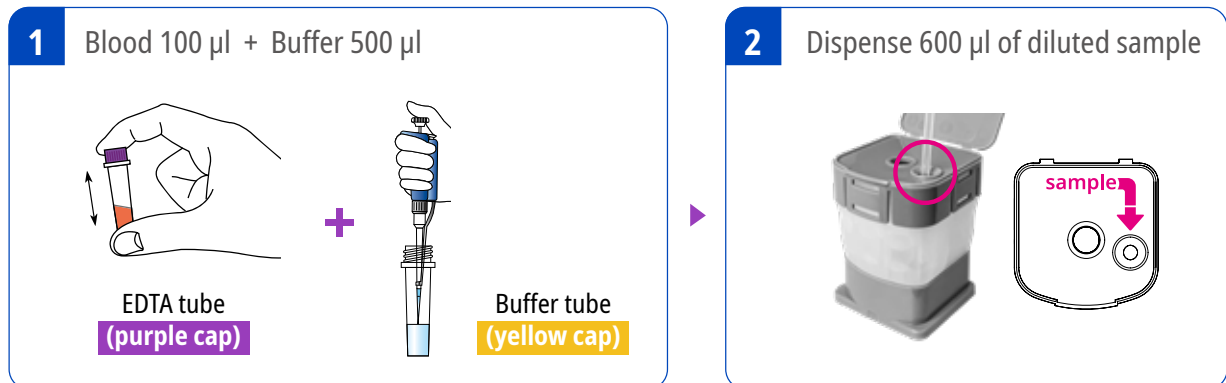
Canine Vector 8 Panel

Specification



Detection Target	: ① <i>Ehrlichia</i> spp. (<i>E. canis</i> , <i>E. ewingii</i> , <i>E. chaffeensis</i>) ② <i>Hepatozoon</i> spp. (<i>H. americanum</i> , <i>H. canis</i>) ③ Canine hemotropic mycoplasma (<i>M. haemocanis</i>) ④ <i>Anaplasma</i> spp. (<i>A. phagocytophilum</i> , <i>A. platys</i>) ⑤ <i>Rickettsia rickettsii</i> ⑥ <i>Babesia</i> spp. (<i>B. gibsoni</i> , <i>B. canis canis</i> , <i>B. canis vogeli</i> , <i>B. canis rossi</i>) ⑦ <i>Leishmania</i> spp. (<i>L. infantum</i> , <i>L. donovani</i> , <i>L. mexicana</i>) ⑧ <i>Bartonella</i> spp. (<i>B. henselae</i> , <i>B. koehlerae</i>)
Species	: Canine
Sample Type	: Whole blood (EDTA) 100 µl
Testing Time	: 70 minutes
Shelf Life	: 12 months

Test Procedure



Performance

LOD

	<i>Ehrlichia</i>	<i>Hepatozoon</i>	Hemoplasma	<i>Anaplasma</i>	<i>Rickettsia</i>	<i>Babesia</i>	<i>Leishmania</i>	<i>Bartonella</i>
LOD (copies/ml)	3×10^3	2.4×10^4	2.4×10^4	1.2×10^4	6×10^3	2.4×10^4	1.2×10^4	6×10^3

Clinical Performance

	<i>Ehrlichia</i>	<i>Hepatozoon</i>	Hemoplasma	<i>Anaplasma</i>	<i>Rickettsia</i>	<i>Babesia</i>	<i>Leishmania</i>	<i>Bartonella</i>
Sensitivity	100%	100%	100%	100%	-	100%	-	-
Specificity	100%	-	-	100%	-	100%	100%	-

Ordering Information

Product No.	Product Name	Operating Condition	Packing Unit
VCM104AC	Vcheck M Canine Vector 8 Panel	2 ~ 28 °C	5 Tests/Kit

Vcheck M Canine Diarrhea 8 Panel

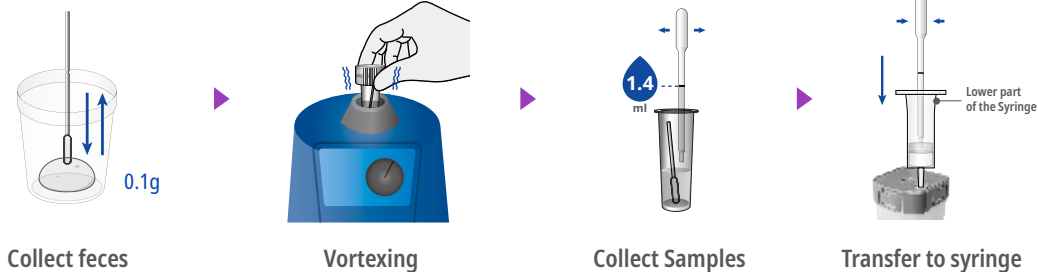
Specification



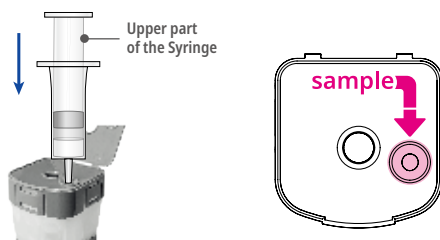
Detection Target	: ① Canine Parvovirus type 2 (CPV-2, 2a, 2b, 2c) ② Enteric Coronavirus ③ Canine Distemper virus ④ <i>Giardia lamblia</i> ⑤ <i>Cryptosporidium</i> spp. ⑥ <i>Salmonella</i> spp. (<i>S.typhimurium</i> , <i>S.enteritidis</i>) ⑦ <i>Clostridium perfringens</i> (<i>alpha toxin gene</i> , <i>enterotoxin gene</i> , <i>netE/F toxin gene</i>) ⑧ <i>Campylobacter</i> spp. (<i>C.coli</i> , <i>C.jejuni</i>)
Species	: Canine
Sample Type	: Feces 0.1g
Testing Time	: 70 minutes
Shelf Life	: 12 months

Test Procedure

1 Preparing the sample with Vcheck M Stool Pretreatment Kit



2 Inject diluted sample



Ordering Information

Product No.	Product Name	Operating Condition	Packing Unit
VCM107AC	Vcheck M Canine Diarrhea 8 Panel	2 ~ 28 °C	5 Tests/Kit
(Included)	Vcheck M Stool Pretreatment Kit	2 ~ 28 °C	5 Tests/Kit

Vcheck M

Feline Diarrhea 8 Panel

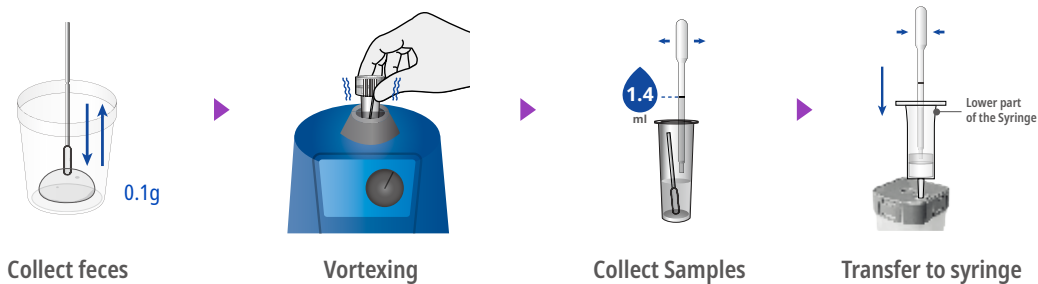
Specification



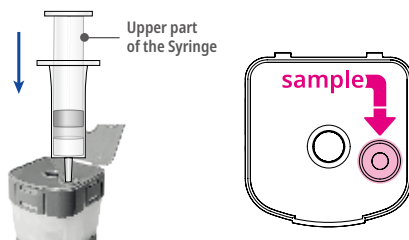
Detection Target	: ① Feline Panleukopenia virus (CPV-2, 2a, 2b, 2c) ② Feline Coronavirus ③ <i>Giardia lamblia</i> ④ <i>Tritrichomonas blagburni</i> (T.foetus) ⑤ <i>Toxoplasma gondii</i> ⑥ <i>Salmonella</i> spp. (<i>S.typhimurium</i> , <i>S.enteritidis</i>) ⑦ <i>Campylobacter</i> spp. (<i>C.coli</i> , <i>C.jejuni</i>) ⑧ <i>Cryptosporidium</i> spp.
Species	: Feline
Sample Type	: Feces 0.1g
Testing Time	: 70 minutes
Shelf Life	: 12 months

Test Procedure

1 Preparing the sample with Vcheck M Stool Pretreatment Kit



2 Inject diluted sample



Ordering Information

Product No.	Product Name	Operating Condition	Packing Unit
VCM108AC	Vcheck M Feline Diarrhea 8 Panel	2 ~ 28 °C	5 Tests/Kit
(Included)	Vcheck M Stool Pretreatment Kit	2 ~ 28 °C	5 Tests/Kit

Vcheck M FIV/FeLV

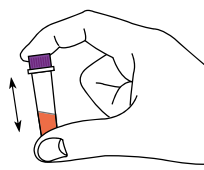
Specification



Detection Target	: Feline Immunodeficiency virus Feline Leukemia virus
Species	: Feline
Sample Type	: Whole blood (EDTA) 100 µl
Testing Time	: 70 minutes
Shelf Life	: 12 months

Test Procedure

1 Blood 100 µl + Buffer 500 µl



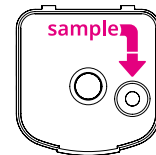
EDTA tube
(purple cap)

+



Buffer tube
(yellow cap)

2 Dispense 600 µl of diluted sample



Performance

LOD

	FIV	FeLV
LOD (copies/ml)	1.4×10^3	1.4×10^3

Clinical Performance

Country	Site	Comparison test	FIV		FeLV	
			Sen	Spe	Sen	Spe
Korea	R&D department	Real-time PCR, Sequencing	-	-	-	-

Ordering Information

Product No.	Product Name	Operating Condition	Packing Unit
VCM109AC	Vcheck M FIV/FeLV	2 ~ 28 °C	5 Tests/Kit

Vcheck M

Canine Anemia 8 Panel

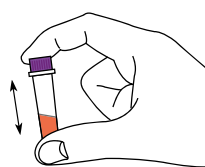
Specification



Detection Target	: ① <i>Ehrlichia</i> spp. (<i>E. canis</i> , <i>E. ewingii</i> , <i>E. chaffeensis</i>) ② <i>Hepatozoon</i> spp. (<i>H. americanum</i> , <i>H. canis</i>) ③ Canine hemotropic mycoplasma (<i>M. haemocanis</i>) ④ <i>Anaplasma</i> spp. (<i>A. phagocytophilum</i> , <i>A. platys</i>) ⑤ <i>Rickettsia rickettsii</i> ⑥ <i>Babesia</i> spp. (<i>B. gibsoni</i> , <i>B. canis canis</i> , <i>B. canis vogeli</i> , <i>B. canis rossii</i>) ⑦ <i>Leptospira interrogans</i> (sv. Autumnalis, Grippotyphosa, Bratislava, Pomona, Canicola, Icterohaemorrhagiae) ⑧ <i>Borrelia</i> spp. (<i>B. burgdorferi</i> , <i>B. afzelii</i> , <i>B. garinii</i>)
Species	: Canine
Sample Type	: Whole blood (EDTA) 100 µl
Testing Time	: 70 minutes
Shelf Life	: 12 months

Test Procedure

1 Blood 100 µl + Buffer 500 µl



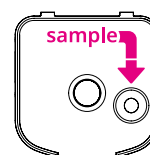
EDTA tube
(purple cap)

+



Buffer tube
(yellow cap)

2 Dispense 600 µl of diluted sample



Performance

LOD

	<i>Ehrlichia</i>	<i>Hepatozoon</i>	Hemoplasma	<i>Anaplasma</i>	<i>Rickettsia</i>	<i>Babesia</i>	<i>Leptospira</i>	<i>Borrelia</i>
LOD (copies/ml)	3×10^3	2.4×10^4	2.4×10^4	1.2×10^4	6×10^3	2.4×10^4	2.4×10^4	1.2×10^4

Clinical Performance

	<i>Ehrlichia</i>	<i>Hepatozoon</i>	Hemoplasma	<i>Anaplasma</i>	<i>Rickettsia</i>	<i>Babesia</i>	<i>Leptospira</i>	<i>Borrelia</i>
Sensitivity	100%	100%	100%	100%	-	100%	-	-
Specificity	100%	-	-	100%	-	100%	100%	-

Ordering Information

Product No.	Product Name	Operating Condition	Packing Unit
VCM105AC	Vcheck M Canine Anemia 8 Panel	2 ~ 28 °C	5 Tests/Kit

Vcheck M

State-of-the-art POC Molecular Diagnostic System



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