

Convergys[®] POC RT-PCR Vet

Nucleic Acid Detection System for Veterinary Application



**Convenient, Easy and
Fast PCR Diagnostics
for Pets and Farm Animals**



The Convergy's® POC RT-PCR Vet Nucleic Acid Detection System

Real-time PCR has become an established and reliable tool in the field of medical diagnostics. It is an ideal tool for the sensitive and accurate detection of pathogens.

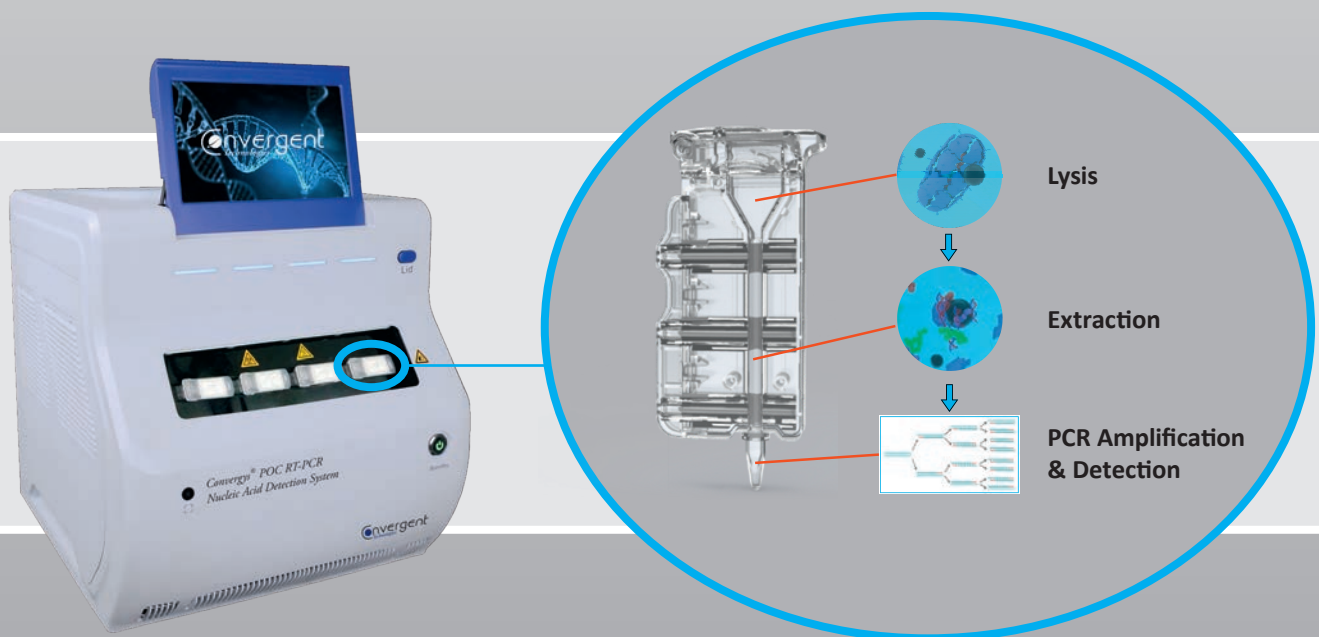
The Convergy's® POC RT-PCR Vet is a point-of-care system for the convenient and fully-automated real-time PCR detection of nucleic acid sequences.

The system works with single-use cartridges, which are pre-filled with all required reagents and enzymes, and are included in the Convergy's® POC RT-PCR Vet Detection Kits. The sample material is directly applied to the cartridge; no previous nucleotide extraction is necessary. All processes are fully-automated.

The Convergy's® POC RT-PCR Nucleic Acid Detection System has proven itself in the field of human healthcare diagnostics during the COVID-19 pandemic. With its dedicated COVID-19 detection kits, it has helped laboratories worldwide to contain the spread of infections.

Now, Convergent Technologies is introducing a veterinary version of its POC RT-PCR system, including a wide range of diagnostic kits for pet and farm animal healthcare.

The Convergy's® POC RT-PCR Vet system is designed to offer molecular diagnostics at maximum convenience with minimum effort.



- Sensitive & accurate real-time PCR methodology
- Test preparation in 2 minutes
- Fully automated processing:
 - Sample extraction
 - Nucleic acid purification
 - Nucleic acid amplification
 - Fluorescence detection
 - Report
- Pre-set test programs
- Results in 1 hour
- Direct application of sample material, no previous extraction required
- Reduced risk of application errors
- Internal control material

Workflow:



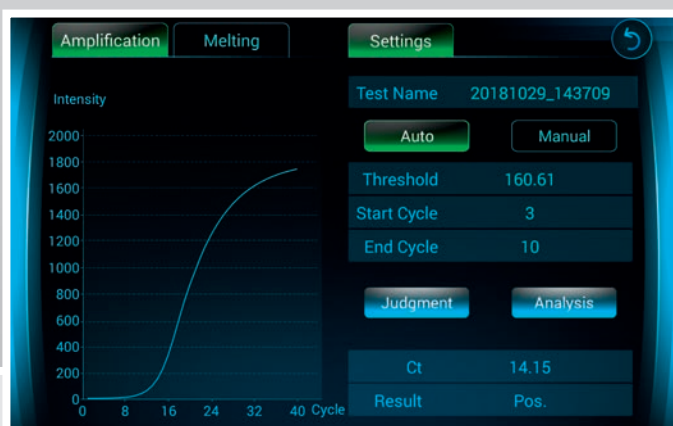
Load Test Cartridge



Insert Cartridge
& Start Program



Read Results



Automatic Analysis
of Results with Chart

Specifications of Convergy's® POC RT-PCR Vet

Detection Principle:	Multiplex PCR, up to 5 Channels
Test Capacity:	4 independent test positions
Block Temperature:	40 - 99°C
Fluorochrome/Dye (Channel 1):	FAM, SYBRGreen I
Fluorochrome/Dye (Channel 2):	HEX, VIC
Fluorochrome/Dye (Channel 3):	TAMRA, CY3
Fluorochrome/Dye (Channel 4):	TEX RED, ROX
Fluorochrome/Dye (Channel 5):	Cy5
Fluorescence Detection Time:	≤ 5s
Connectivity:	USB, Wi-Fi, Ethernet
User Interface:	7" Color touch screen; QR/Barcode Reader
Working Conditions:	5 - 35°C; 0 - 70% RH; 0 - 3999 m altitude
Power Requirement:	AC100 - 240V, 50 - 60Hz
Dimensions and Weight:	380 x 305 x 343 mm, 16 kg



Ordering Information

REF	Article Name	Description
1100-5205	Convergy's® POC RT-PCR Vet System Device	Nucleic Acid Detection System

Convergent Technologies reserves the right to change any of the specifications without prior notice.

Usage of original Convergent Technologies reagents is MANDATORY.

Full specifications are available on request.

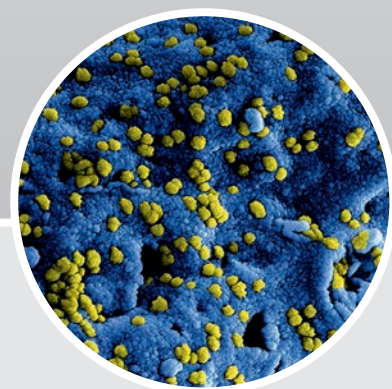
Specifications of Veterinary Convergys® POC RT-PCR Vet Detection Kits

Intended Use:	Detection of Dedicated Pathogens
For Use With:	Convergys® POC RT-PCR Vet System
Accuracy:	>98%
Storage Condition:	2 - 8°C
Sample Material:	Depends on Test Parameter (swabs, body fluids, excretion material)
Kit configuration:	Available with 24 Test Cartridges or 8 Test Cartridges per Kit
Sample Volume:	200 µl



Convergys® Veterinary Detection Parameters

REF	Article Name	Target
1100-5340	Canine Distemper virus(CDV) Detection kit	RNA
1100-5341	Canine Parvovirus(CPV) Detection kit	DNA
1100-5342	Canine Coronavirus(CCV) Detection kit	RNA
1100-5343	Canine Herpes Virus (CHV) Detection kit	DNA
1100-5344	Pseudorabies virus (PRV) detection kit	DNA
1100-5345	Rabies virus (RV) detection kit	DNA
1100-5346	Canine adenovirus (CAV-1, canine hepatitis) detection kit	DNA
1100-5347	Canine adenovirus (CAV-2, respiratory tract) detection kit	DNA
1100-5348	Canine Heartworm (Di) Detection Kit	DNA
1100-5349	Feline Parvovirus(FPV) Detection kit	DNA
1100-5350	Feline Enteric Coronavirus(FCOV) Detection kit	RNA
1100-5351	Feline Herpes VirusI (FHV) Detection kit	DNA
1100-5352	Feline Calici Virus (FCV) Detection kit	RNA
1100-5353	Feline Mycoplasma Felis (MF) detection kit	DNA
1100-5354	Feline Chlamydia Felis (CF) detection kit	DNA
1100-5355	Feline Leukemia Virus (FeLV) detection kit	RNA
1100-5356	Toxoplasma Gondii (Tox) detection kit	DNA
1100-5357	Leptospira (Lept) Detection kit	DNA
1100-5358	Barton's disease (Bar) detection kit	DNA
1100-5359	Mycoplasma Haemophilus (Mha) Detection Kit	DNA
1100-5360	Bordetella (BB) Detection kit	DNA
1100-5361	Babesia virus detection kit	DNA



Multi-detection kits are coming soon.

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