

Convergys[®] POC RT-PCR

Nucleic Acid Detection System



**Convenient, Easy and
Fast PCR Diagnostics**

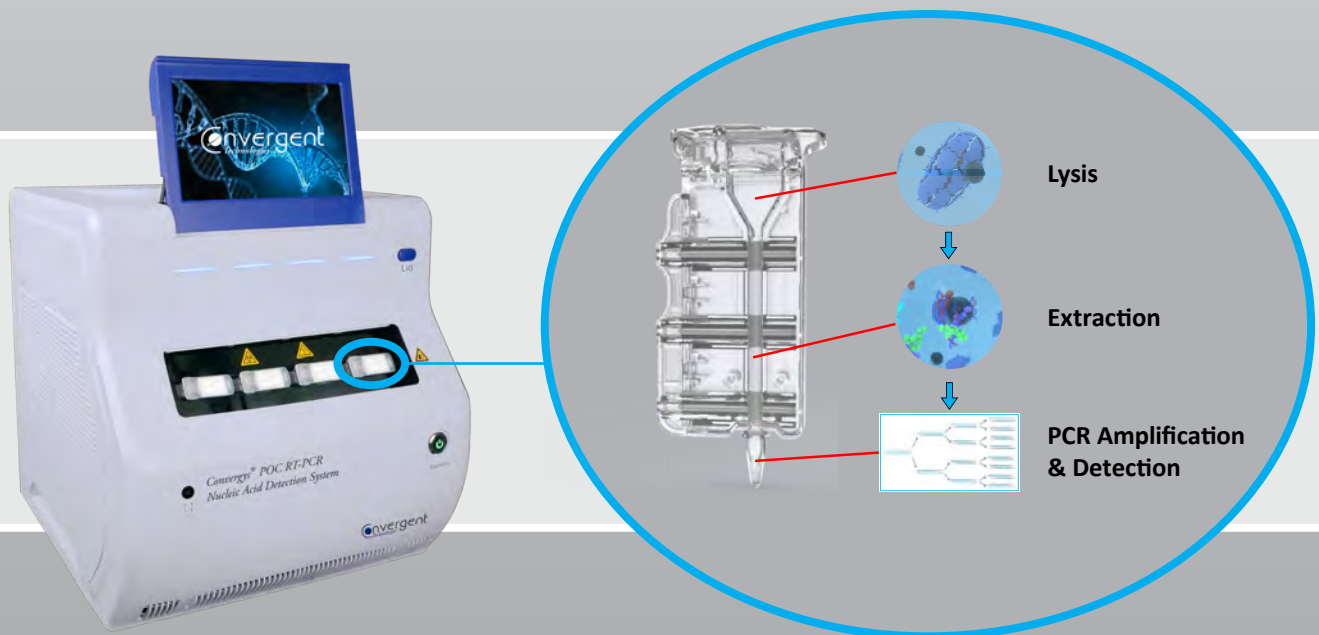
The Convergys® POC RT-PCR Nucleic Acid Detection System

The Convergys® POC RT-PCR is a point-of-care system for the fully-automated detection of viral and microbial pathogens by real time PCR technology.

The system works with single-use cartridges, which are pre-filled with all requisite reagents and enzymes for DNA & RNA extraction, purification and RT-PCR amplification. The sample material can be directly applied to the cartridges and all processes are fully automated.

Convergent Technologies has been a trusted partner in quick and reliable patient triage, isolation and therapy management solutions for the worldwide fight against the SARS-CoV-2 Pandemic with millions of these tests successfully deployed in more than 70 countries. The systems are currently in active use at CDCs, University Research Institutes, Clinics, Tourism Organizations, National Defense Departments, Critical Support Infrastructures and NGOs in EU and in many other regions worldwide.

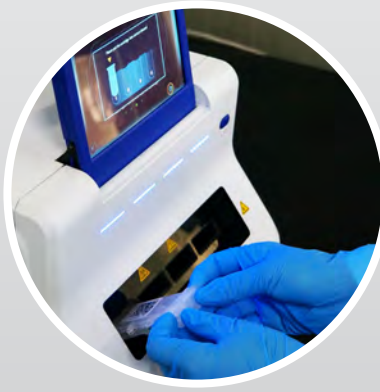
We are proud to introduce new test parameters based on the same established platform, providing our users the same level of comfort and convenience in the PCR lab routines. Additional parameters are under development.



- **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 within 2 hours (depends on test parameter)**
- **Direct application of sample material, no previous extraction required**
- **Reduced risk of application errors**
- **Internal control**



Load Test Cartridge



Insert Cartridge & Start Program



Read Results



Automatic Analysis of Results with Chart

Specifications of Convergy's® POC RT-PCR

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
Power Requirement:	AC100 - 240V, 50 - 60Hz
Dimensions and Weight:	380 x 305 x 343 mm, 16 kg



Ordering Information

REF	Article Name	Description
1100-5201	Convergy's® POC RT-PCR System Device	Nucleic Acid Detection System

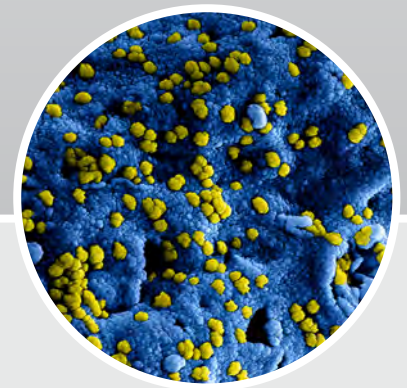
Convergys® POC RT-PCR Detection Kit Specifications

Intended Use:	Detection of Dedicated Pathogens
For Use With:	Convergys® POC RT-PCR Nucleic Acid Detection System
Accuracy:	>98%
Storage Condition:	2 - 8°C
Sample Material:	Test Parameter Dependent (swabs, body fluids, excretion material)
Kit Capacity:	24 Test Cartridges per Kit
Shelf Life:	DNA Kits: 12 Months RNA Kits: 6 Months



Convergys® POC RT-PCR Detection Parameters

REF	Article Name	Target
1100-5220	Convergys® POC RT-PCR COVID-19 Detection Kit	RNA
1100-5227	Convergys® POC RT-PCR COVID-19/Influenza A/Influenza B Detection Kit	RNA
1100-5228	Convergys® POC RT-PCR COVID-19/Influenza/RSV Detection Kit	RNA
1100-5234	Convergys® POC RT-PCR Mycobacterium tuberculosis complex Detection Kit	DNA
1100-5235	Convergys® POC RT-PCR Mycobacterium tuberculosis/ Haemophilus influenza/Streptococcus pneumoniae Detection Kit	DNA
1100-5236	Convergys® POC RT-PCR Mycobacterium tuberculosis/ Mycobacterium avium/Mycobacterium abscessus complex Detection Kit	DNA
1100-5232	Convergys® POC RT-PCR Zika virus/Dengue virus/Chikungunya virus Detection Kit	RNA
1100-5233	Convergys® POC RT-PCR Dengue virus Typing Kit	RNA
1100-5231	Convergys® POC RT-PCR Herpes simplex virus, type 2 Detection Kit	DNA
1100-5238	Convergys® POC RT-PCR Ureaplasma urealyticum Detection Kit	DNA
1100-5239	Convergys® POC RT-PCR Neisseria gonorrhoeae Detection Kit	DNA
1100-5240	Convergys® POC RT-PCR Human Papillomavirus Detection Kit	DNA



Convergent Technologies reserves the right to change any of the specifications without prior notice.
Full specifications are available on request.