

Pointcare® PCR V1 Real-time PCR Detection System

● Integrated Extraction – Amplification Complete Molecular Detection Solution



Integrated Design

Shared interface for both extraction and PCR, simplifying workflow.



Flexible Throughput

2-sample extraction, 6-sample PCR, and independent reagent packaging for on-demand testing.



Precise & Rapid

12-min prep, <1.5h total run, with consistent and trustworthy results.



Contamination-Free

Automated extraction with minimal handling, plus UV decontamination to prevent false positives.



Transport: Ambient

Test kits transport at 2–30°C

MNCHIP

Applications



Veterinary clinics
Point-of-care testing at the bedside



Third-party medical laboratories
Routine high-throughput rapid testing

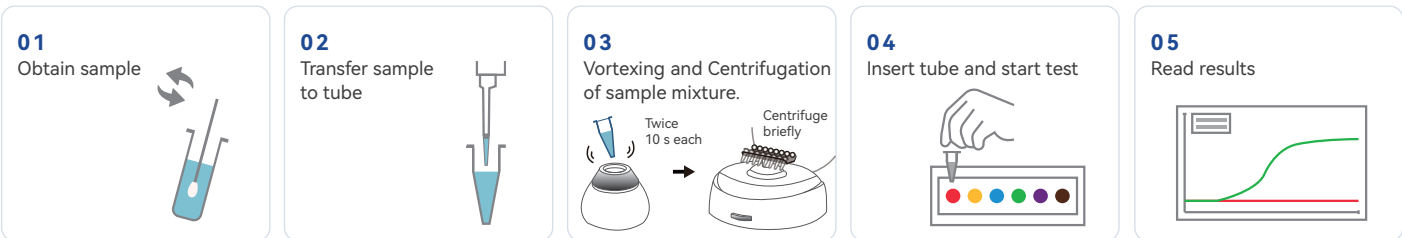


Animal and plant quarantine stations
On-site epidemic prevention and control

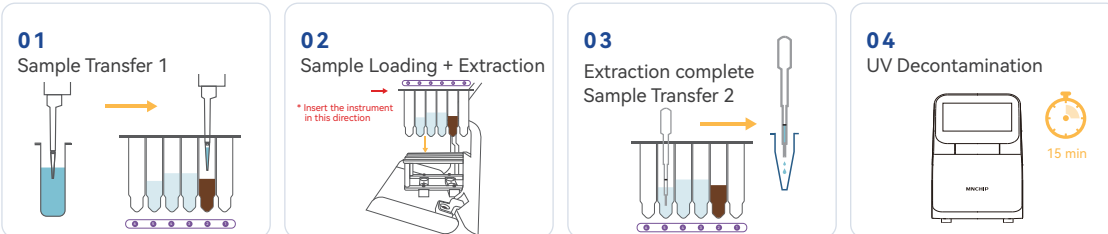


University and research laboratories
Rapid scientific analysis of pathogens

PCR Test Operation process



Nucleic Acid Extraction Operation process



Equipment Specifications

Real-time PCR Analyzer (Main Unit)

Model	Pointcare PCR V1
Dimensions	L×W×H: 210×125×175 mm Weight: 1.5kg
Sample Types	Nasopharyngeal and Oropharyngeal Swab, Anal Swab, Fecal Swab, Blood, Ascites, etc.
Detection Information	Throughput: 6 wells/run Sample volume: 20-25 µL Test Time: 60 min
Core Performance	Fluorescence channels: FAM, ROX (dual channel) Light source: Maintenance-free LED Detector: Photodiode
Environmental Specifications	Operating temperature: 10-30 °C Humidity: 40-85% Power supply: 24 V

PCR-Matching Nucleic Acid Extraction Unit

Model	Pointcare NV1
Dimensions	L×W×H: 210×125×175 mm Weight: 2.5kg
Sample Types	Suitable for high-interference samples (feces, blood, etc.)
Detection Information	Throughput: 2 wells/run Sample volume: 200 µL Run time: 12 min
Core Performance	Nucleic acid type: DNA/RNA universal
Environmental Specifications	Operating temperature: 10-30 °C Humidity: 40-85% Power supply: 24 V

Test Menu

Test Panel	Test Parameter	Sample Type	Pretreatment Recommendation
Feline	Feline Calicivirus (FCV) Feline Herpesvirus type 1 (FHV-1) Feline Chlamydia (CF) FCV/FHV-1/M/CF/Bb	Oropharyngeal, nasopharyngeal and eye swab	Direct lysis for routine samples
	Feline Coronavirus (FCoV) Feline Panleukopenia Virus (FPV)	Fecal anal swab	Extraction required (NV1)
	Feline Infectious Peritonitis (FIP)	Ascites sample	Extraction required (NV1)
Canine	Canine Parainfluenza Virus (CPIV) Canine Parainfluenza Virus (CPIV) Canine Adenovirus type II (CAV-2) CDV/CPIV/CAV-2/M/Bb	Oropharyngeal, nasopharyngeal and eye swab	Direct lysis for routine samples
	Canine Parvovirus (CPV) Canine Coronavirus (CCV)	Fecal anal swab	Extraction required (NV1)
	Mycoplasma (M) Bordetella Bronchiseptica (Bb)	Oropharyngeal, nasopharyngeal and eye swab	Direct lysis for routine samples
Feline/Canine	Babesia canis (B.canis) Babesia gibsoni (B.gibsoni) Toxoplasma (TOX) Lyme disease (Borrelia) Leishmania	Whole blood (EDTA)	Whole blood (high interference) extraction recommended.

★ More test kits coming soon...

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1. This PCR system is exclusively compatible with MNCHIP amplification reagent kits. The matching extraction unit is specifically adapted to designated third-party extraction kits, sourced through our company.
2. All performance specifications, parameters, and functions are subject to the medical device registration documentation and actual product. The extraction unit is only compatible with MNCHIP-branded fluorescent PCR hosts; it may not be connected to other brands' amplification systems.
3. This system is intended exclusively for veterinary molecular diagnostics and is not for human in vitro diagnostic use.