

Pro40

Unique Technology

Nucleic Acid Extractor

5

minutes for extraction



A mobile molecular lab station



CE

IVD



PROCELL
— ACTIVELAB —

Pro40 Nucleic Acid Extractor



Short extraction time

It takes 5 minutes only from loading sample to completing the extraction.



POCT

Suitable for various medical environment places, and finish the extraction process at anytime and anywhere.



Close system

Extraction process are completed in a closed environment, and disinfected by ultraviolet lamp to avoid pollution.

Extraction process



Extraction technology

Membrane adsorption is a brand-new method to extract nucleic acid.

Without the traditional magnetic bead method of magnetic absorption, demagnetization and multi-step cleaning steps, the rapid lysis and adsorption of nucleic acid, cleaning to elution, the whole process of extraction is completed in 5 minutes. For whole blood mode needs 10 minutes.

Reagent introduction

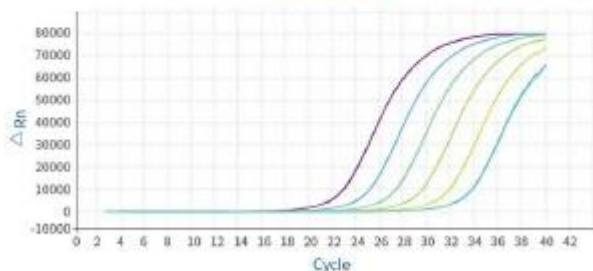


Customized nucleic acid extraction reagent kit:

Extraction kit	Sample volume	Product volume	To be used in
General DNA	200 μ L	30 μ L	H8V, HPV, ADV, IHSV I & II, CT, UU, NG, whole genomic in oral swab, etc.
Virus RNA	200 μ L	30 μ L	HPV, HIV, HCV, IFV, RSV, HBV, ADV, COVID-19, etc.
Whole blood	150 μ L	50 μ L	genomic in Whole blood, etc.
TB in sputum	1mL	30 μ L	TB DNA in sputum
Bacteria	200 μ L	30 μ L	GBS, c-diff, etc.

1. Strong anti-interference ability.
2. It can be used for nucleic acid extraction of serum, swab, alveolar lavage fluid, anus swab, urethra swab, and cervical swab.
3. Used for extracting DNA or RNA.

Amplification plot



Specifications

Method	Membrane adsorption technology
Sample type	Serum, plasma, whole blood, swab, sputum
Extraction time	5-10 minutes
Channel	4 channels
Temperature	Constant temperature 55°C
Disinfection	Ultraviolet lamp disinfection and pollution free
Dimension	190W*244D*252H (mm)
Weight	4.7KG
Voltage / Power	100V-240V, ≤70W

Comparison with magnetic bead method

Item	Pro40	Traditional magnetic bead
Extraction time	5-10 minutes	30-60 minutes
Temperature	Constant temperature 55°C	55-72 °C
Working site	Various laboratories and outdoors site	Professional laboratories
Reagent storage	Room temperature	Cold storage
POCT	Support	Non support

