

Nucleic acid extraction made easy

CLEO™ AP48

- High throughput up to 48 samples/run
- Magnetic bead-based method
- Excellently efficient extraction
- Easy-to-use
- Intuitive software and Integrated vision system
- Low-noise design (≤ 60 dB)

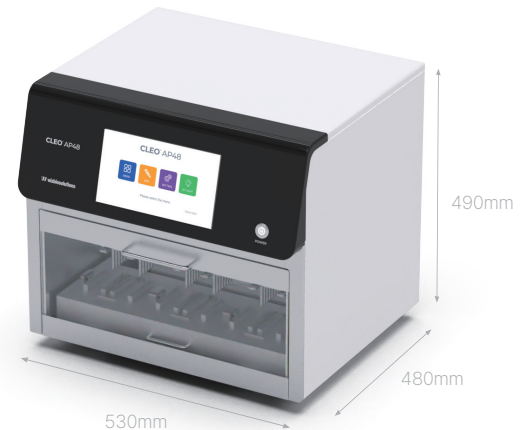


Advantages of CLEO™ AP48

CLEO™ AP48 is an automated system that utilizes magnetic particle technology to extract high-purity nucleic acids efficiently. Featuring a user-friendly interface, intuitively designed software, and a built-in touchscreen display, the system ensures ease of use. It supports the simultaneous extraction of high-purity nucleic acids from up to 48 samples, compatible with a wide range of extraction kits.

○ Innovative design & convenience

- CLEO™ AP48 features an innovative design with ultra-quiet operation, thanks to its specially engineered motor control system.
- With an intuitive user interface and optimized user-friendly workflow, the system enables fast and effortless nucleic acid extraction.



○ Magnetic bead based extraction

Nano-magnetic beads ensure precise and selective extraction of target DNA or RNA, delivering high-purity results every time.



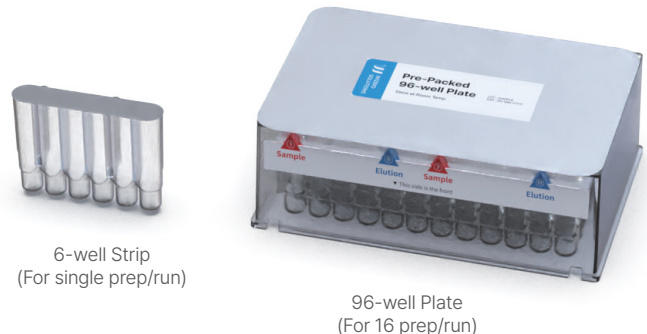
○ Convenient usability

The sliding rack design enhances user convenience.



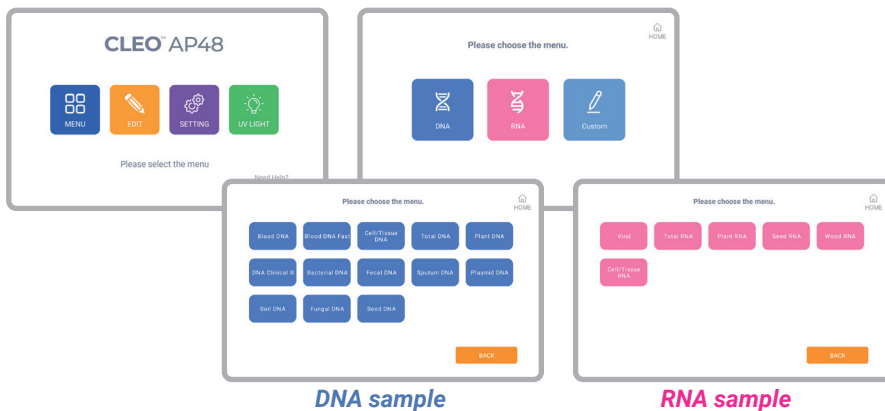
○ Wide selection of cartridge

Flexible cartridge options from 1 to 16 preps enhance usability and adapt to your workflow needs.



Intuitive interface software and **excellent extraction efficiency** thanks to optimal extraction conditions.

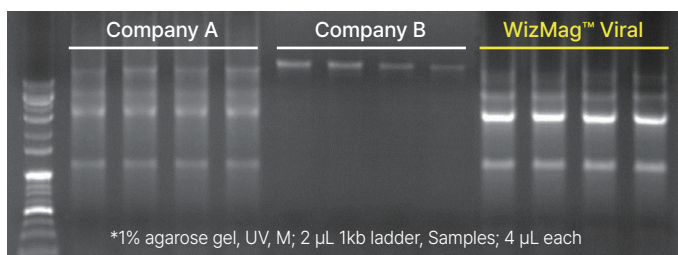
CLEO™ AP48 software serves an intuitive customizable design and easy-to-use open platform system integrated into the 10-inch-touch screen.



○ Performance comparison test result

Comparison test for Total RNA extraction efficiency

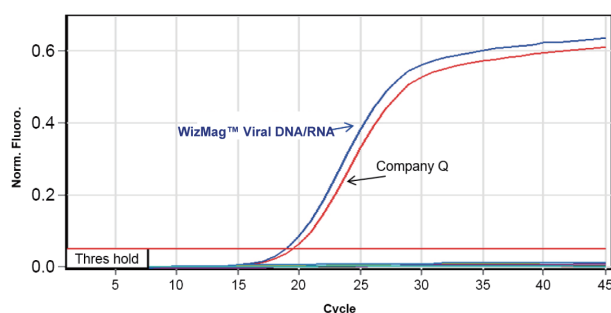
- Sample: Hela cells, 1×10^6 cells/prep
- Elution volume: 100 μ L
- Reagent : WizMag™ Viral DNA/RNA Kit
- Results: Extraction of WizMag™ Viral DNA/RNA showed higher yield and purity compared to competitors.



Company	Conc.(ng/ μ L)	260/280 nm	260/230 nm
Company A	59.656	2.04	1.82
Company B	27.672	1.97	1.47
WizMag™ Viral	134.775	2.05	2.06

Comparison test for COVID-19 virus detection

- Provides faster Ct value and higher purity compared to competitors.
- Real-time PCR conditions : Taqman probe based real-time RT-PCR, Threshold : 0.05 (fixed)



Company	RNA conc.	A260/280	Ct value
Company Q	46.2 ng/ μ L	1.85	19.59
WizMag™ Viral	56.1 ng/ μ L	1.97	18.96

○ Specifications

Number of samples	1 to 48 samples
Extraction method	Magnetic bead-based extraction
Operation temperature	10-35°C (50-95°F)
Operating humidity	20-80% relative, non-condensing
Sample volume	200 - 300 µL
Extraction time	20 - 30 min.
Operating system	Android OS
Display	10.1 inch full-color HD LCD capacitive touch screen
Protocol storage	Pre-loaded protocols for WizMag Kits
Noise	≤ 60 dB
Input power / Max power	100 - 240 VAC (50/60 Hz) / 510W
Dimensions (LxWxH)	530 × 480 × 490 mm
Weight	35 kgs

○ Ordering information

Cat No.	Product
CL2048	CLEO™ AP48 Automated Nucleic Acid Extractor

Extraction kits

Product Name	96-well plate type	6-well strip type	Description
WizMag™ Total DNA	W7000 (64 prep) W7001 (192 prep)	W7002 (32 prep) W7003 (96 prep)	Cell, Body fluids
WizMag™ Blood DNA	W7010 (64 prep) W7011 (192 prep)	W7012 (32 prep) W7013 (96 prep)	Blood
WizMag™ Cell/Tissue DNA	W7040 (64 prep) W7041 (192 prep)	W7042 (32 prep) W7043 (96 prep)	Cell, Tissue
WizMag™ Viral DNA/RNA	W7020 (64 prep) W7021 (192 prep)	W7022 (32 prep) W7023 (96 prep)	Virus
WizMag™ Bacterial DNA	W7110 (64 prep) W7111 (192 prep)	W7112 (32 prep) W7113 (96 prep)	Gram(-)bacteria, Gram(+) bacteria
WizMag™ Total RNA	W7070 (64 prep) W7071 (192 prep)	W7072 (32 prep) W7073 (96 prep)	Cell, Body fluids
WizMag™ Total RNA Plus	W7074 (64 prep) W7075 (192 prep)	W7076 (32 prep) W7077 (96 prep)	Cell, Body fluids
WizMag™ Cell/Tissue RNA	W7090 (64 prep) W7091 (192 prep)	W7092 (32 prep) W7093 (96 prep)	Cell, Tissue
WizMag™ DNA Clinical II	W7200 (64 prep) W7201 (192 prep)	W7202 (32 prep) W7203 (96 prep)	Ccultured cells, swabs, body fluids
WizMag™ Sputum DNA	W7130 (64 prep) W7131 (192 prep)	W7132 (32 prep) W7133 (96 prep)	Sputum, TB



A-1806, Woolim Lions Valley 2,
Sagimakgol-ro 45beon-gil 14,
Jungwon-gu, Seongnam-si, Gyeonggi-do
13209 Republic of Korea

www.wizbiosolution.com
support@wizbiosolution.com
+82 70 7605 5066

