

The neo era of automated DNA/RNA extraction.



revvity

chemagic Neo™ instrument

Big range. Small footprint.

chemagic Neo™ instrument



Single samples to full plates

Accommodates both high-throughput runs up to 96 samples with efficient, bulk buffer dispensing as well as urgent, variable batch extractions with single-use cartridges (up to 12 samples).

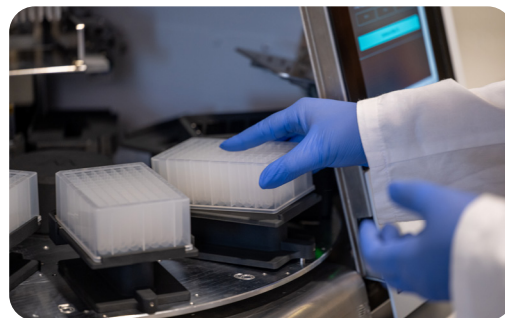
Dimensions (W x D x H):

27.56 × 25.59 × 21.65 inches (70 × 65 × 55 cm)

Weight: 125.66 lb (57 kg)

Small to large sample volumes

From large sample volume extractions to low input applications with interchangeable chemagic Neo 24/96/Cartridge Rod Head system. Unique engineered thin rods accommodate up to 10 ml sample input at once. Option to elute directly into micronic tubes.



No splitting of samples or manual filling of buffers

The integrated dispenser delivers up to 8 buffers with automated in-use cleaning, removing the need to prefill plates manually. A built-in heating rack enables on-deck heated lysis or elution if required.

Dispenser accuracy: 99.4-100 % across tested volumes (200 µl, 500 µl and 1000 µl).



Proven nucleic acid extraction performance.

Stirred, not shaken

Obtain high molecular weight (HMW) DNA that can be applied directly for long read sequencing. Accurate genetic representation with reduced risk of allelic dropouts or GC bias.

Proprietary M-PVA magnetic bead chemistry

Gentle rotational mixing avoids aerosol generation and minimizes cross-contamination risk.

Consistent yields of pure RNA/DNA

High yields of pure nucleic acids from a wide range of sample materials like blood, tissue, saliva, and more.

One instrument, scaled to your science.

Easy to use with automated traceability and safety functions

Smart software, simple operation

Fast onboarding with intuitive touchscreen and confident operation for all skill levels. Easily select and configure protocols directly from the large, glove-compatible 12" display.

Clean environment, every run

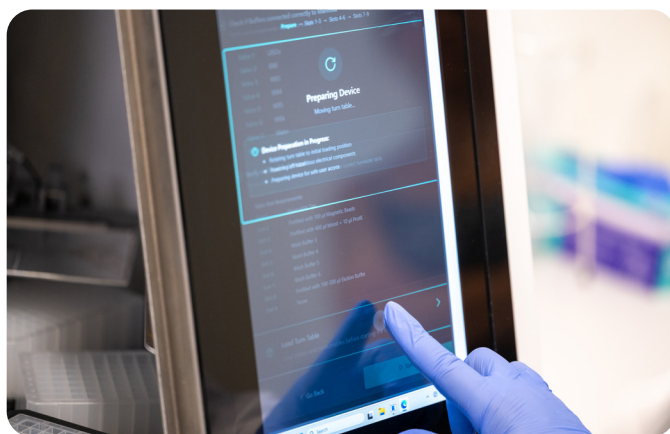
Onboard UV sanitization guarantees a pristine processing environment.

Effective traceability, LIMS-ready

Barcode scanning confirms plate positioning and captures reagent/sample information in LIMS-compatible log files, providing a traceable audit trail.

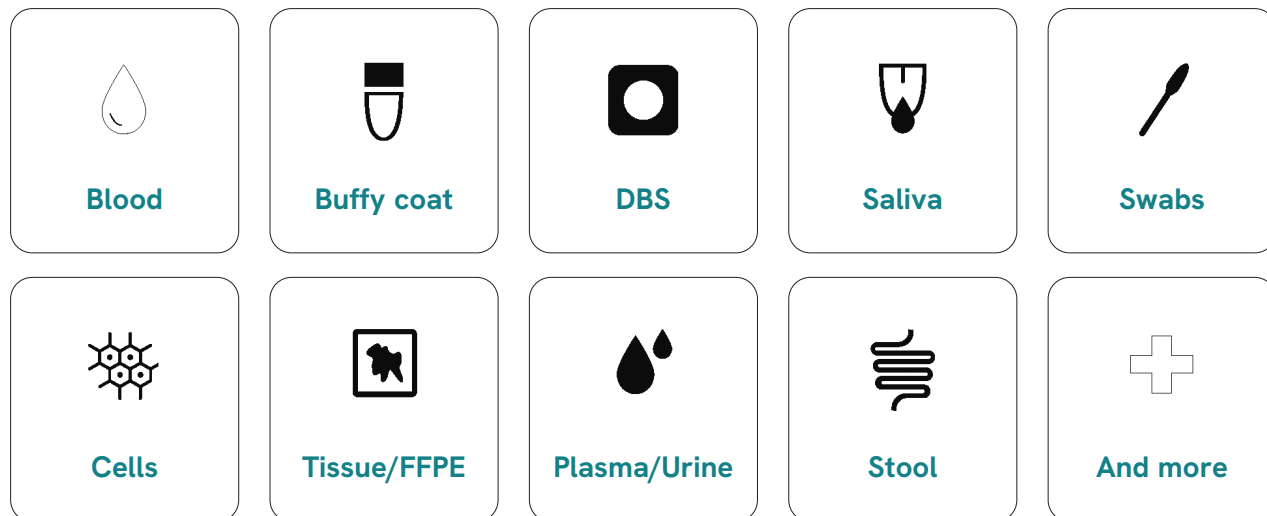
Optional accessories, enhanced automation

Automated reagent monitoring, HEPA filter and chemagic switchbox for multi-kit use available. Option to integrate chemagic Neo instrument into automated workstations.



Workflows on chemagic Neo instrument with chemagic kits

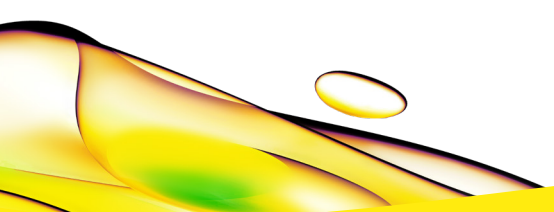
The chemagic kit portfolio supports extraction from blood, plasma, tissue, swabs, saliva, and more, covering genomic DNA, cfDNA, total RNA, and pathogen nucleic acids. Universal or custom kits are available with free technical consultation.



Why Revvity?

Single-source supply of instruments, reagents, and technical support - together for seamless integration.

2049-0020 chemagic Neo instrument
2049-2010 chemagic Neo 96 Rod Head set
2049-2020 chemagic Neo 24 Rod Head set
2049-2030 chemagic Cartridge Rod Head set



revvity

www.revvity.com



Learn more