

ALLEX[®] Mini

Fully Automated Nucleic Acid Extraction System



Extraction You Can Trust:
Mini in Size, Powerful in Extraction



▶ Product Information

AlIEx® Mini Nucleic Acid Extraction System

The AlIEx® Mini is an automated nucleic acid extraction system with a compact footprint that fits into any lab environment. Capable of extracting up to 12 samples in under 10 min, AlIEx® Mini is optimized for simplicity- load the cartridge, and the system takes care of the rest.

Automated strip attachment, magnetic bead transfer, lysis, washing, and elution steps are all performed seamlessly, minimizing hands-on time and reducing the risk of error.

The fully integrated system, driven by automatic protocol selection via built-in barcode scanning, ensures consistent and high-quality nucleic acid extraction in every run.

Intuitive and guiding interface



AlIEx® Mini



Space-saving footprint

With dimensions of only 33" x 38", the AlIEx® Mini boasts a minimal footprint that easily fits onto any lab bench, preserving valuable workspace.

One-step operation

The entire extraction process is streamlined into a single-step operation, allowing the system to handle all tasks from start to finish without further user input.

Automated strip attachment

The system automatically attaches strips, minimizing error and enhancing the precision of the extraction process.

Built-in barcode reader and protocol selection

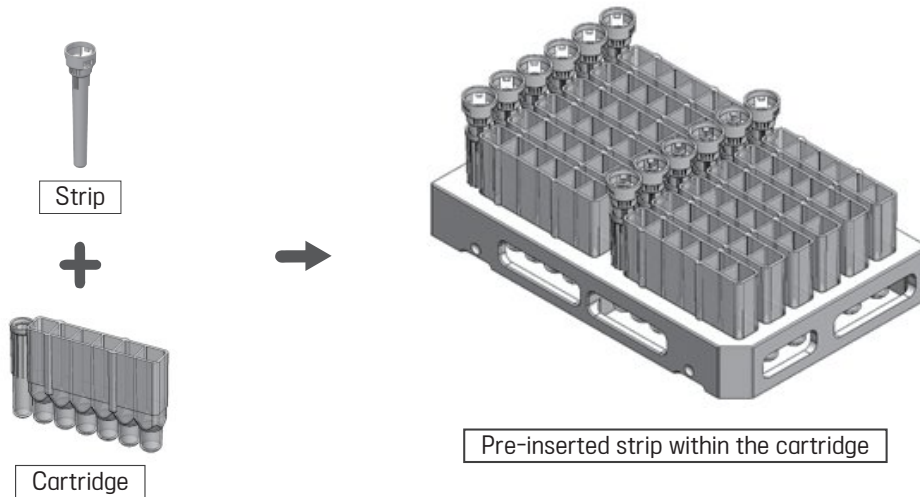
The integrated barcode reader auto-selects the correct protocol for consistent extraction in every run.

Stable and reliable performance

By minimizing manual intervention and optimizing each step of the process, the AlIEx® Mini provides a stable and reliable nucleic acid extraction.

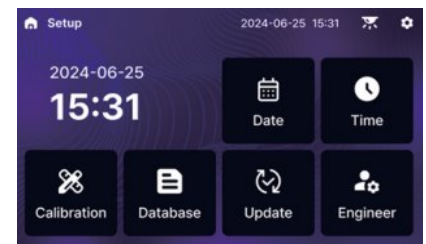
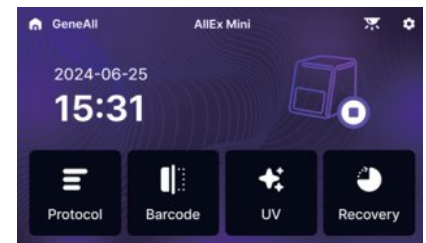
Introducing our latest innovation: automated Strip-to-System paring process

Unlike conventional systems that require manual strip insertion, AllEx[®] Mini comes with pre-inserted strip within the cartridge. Once the cartridge is loaded into the device, the system automatically engages the strip, reducing manual steps, greatly enhancing efficiency and user convenience.



Technical specification

Extraction system method	Magnetic beads transfer
Processing capacity	1 to 12 samples per run
Run time	10-20 min for 12 samples, protocol-dependent
Starting volume	Up to 300 µl
Display	5 inch TFT LCD touch screen
Dimension W x D x H	336 x 393 x 381 mm
Weight	14.0 kg
Power input	85 - 264 VAC, 50/60 Hz, 3 A
Magnetic bead recovery rate	≥ 98 %
Noise	≤ 45 dB
Program transfer	USB flash drive
Contamination control	UV LED
Feature	Built-in barcode reader Emergency stop & resume Recovery Auto mechanical calibration Run history Consumable monitoring Internal lighting



Kits and applications

Zero-waste: Single sample extraction cartridge design

Select the quantity of cartridge according to the number of samples, ensure the independence of sample process, avoid cartridge waste and realize zero loss of reagents.



Cartridge type	Single cartridge
Reagent design	Pre-filled, ready-to-use extraction reagent kit
Nucleic acids	Total nucleic acids including genomic DNA, viral NA and RNA

Ordering information

The ideal pairing: AllEx® Mini's magnetic bead-based DNA/RNA extraction kits

Combined with specialized nucleic acid extraction kits, AllEx® Mini guarantees high yields and purity of DNA, RNA, or total nucleic acids from a wide range of sample types.

Category	Cat. No.	Product	Size	REF
System	AEX012	AllEx® Mini Automated Nucleic Acid Extraction System	-	
Kit	971-048	AllEx® Mini Genomic DNA Kit	48T	whole blood, serum, plasma, dried blood spot, buffy coat, cultured cell, CSF, BAL, urine, body fluid, buccal swab, saliva
	972-048	AllEx® Mini Viral DNA/RNA Kit	48T	whole blood, serum, plasma, buffy coat, cultured cell, CSF, BAL, urine, body fluid, buccal swab, saliva
	973-048	AllEx® Mini Blood DNA Kit	48T	whole blood, serum, plasma, dried blood spot, buffy coat, cultured cell, body fluid, buccal swab, saliva
	974-048	AllEx® Mini Plant DNA/RNA Kit	48T	leaf, seed, bulb and bark
	975-048	AllEx® Mini Forensic DNA Kit	48T	whole blood, tissue, cartilage, insect, urine, body fluid, buccal swab, saliva, semen, hair
	976-048	AllEx® Mini Fecal DNA/RNA Kit	48T	fecal
	977-048	AllEx® Mini Cell/Tissue Total RNA Kit	48T	cultured cells and tissues
	978-048	AllEx® Mini Plant Total RNA Kit	48T	leaf, seed, bulb and bark

High-throughput capability available with AllEx® 64

- Magnetic bead-transfer technology
- Process up to 64 samples in 10 min
- Compatible with plate cartridge for 16 samples and single-cartridge systems for 1 - 8 samples
- Features: Built-in barcode reader, UV Lamp, HEPA filter, Ventilation



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