



# ALLEX<sup>®</sup> Mini

Fully Automated Nucleic Acid Extraction System



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

## 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.

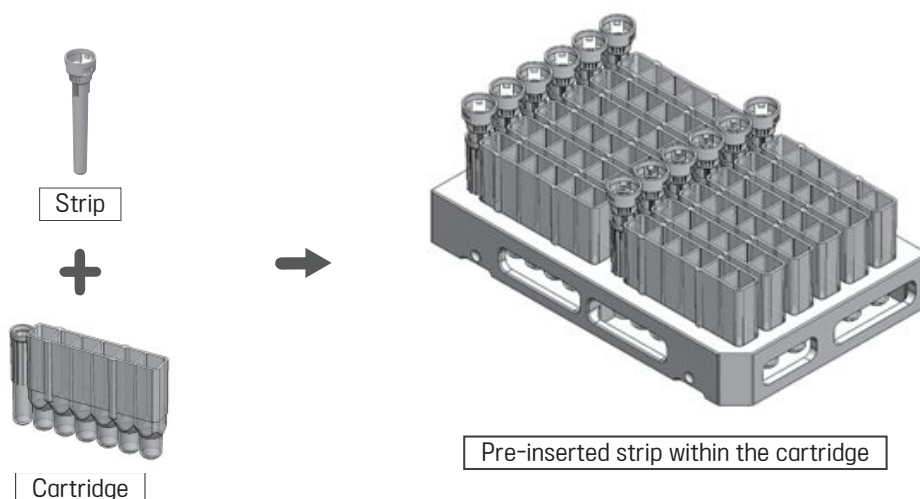
### Stable and reliable performance

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



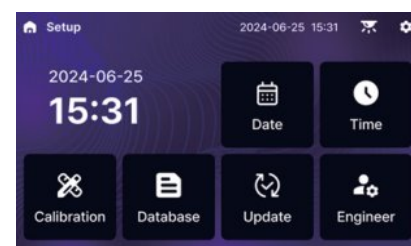
## Introducing our latest innovation: automated Strip-to-System paring process

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<br>Emergency stop & resume<br>Recovery<br>Auto mechanical calibration<br>Run history<br>Consumable monitoring<br>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   | RGA831S  | AllEx® Mini Automated Nucleic Acid Extraction System | -    |   |
| Kit      | RGA832   | 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 |
|          | RGA833   | AllEx® Mini Viral DNA/RNA Kit                        | 48T  | whole blood, serum, plasma, buffy coat, cultured cell, CSF, BAL, urine, body fluid, buccal swab, saliva                   |
|          | RGA834   | AllEx® Mini Blood DNA Kit                            | 48T  | whole blood, serum, plasma, dried blood spot, buffy coat, cultured cell, body fluid, buccal swab, saliva                  |
|          | RGA835   | AllEx® Mini Plant DNA/RNA Kit                        | 48T  | leaf, seed, bulb and bark   |
|          | RGA836   | AllEx® Mini Forensic DNA Kit                         | 48T  | whole blood, tissue, cartilage, insect, urine, body fluid, buccal swab, saliva, semen, hair                               |
|          | RGA837   | AllEx® Mini Fecal DNA/RNA Kit                        | 48T  | fecal   |
|          | RGA838   | AllEx® Mini Cell/Tissue Total RNA Kit                | 48T  | cultured cells and tissues  |
|          | RGA839   | 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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