

Advanced Automation in Molecular Biology

The intended use of eLab Automatic Nucleic Acid Extractor is to complete the automatic extraction and purification of nucleic acid in various samples by using magnetic bead nucleic acid extraction reagent.

The high purity nucleic acid extraction products are suitable for polymerase chain reaction, gene chip, gene hybridization, gene sequencing and other technologies, and can be applied to scientific research, clinical applications, food safety, forensic medicine and other application fields.

eLab

Automated Nucleic Acid Extractor

- Fast start up time
- Quick Extraction times
- Easy operation and decontamination
- Remote programming and run monitoring
- Compact and reliable
- high purity extraction

The Adaltis eLAB offers a flexible and compact form factor for rapid RNA and DNA extraction.

Utilising magnetic particle technology, the eLAB will perform the lysis, washing and elution automatically to ensure high purity nucleic acid extraction.





Nucleic Acids DNA/RNA extraction

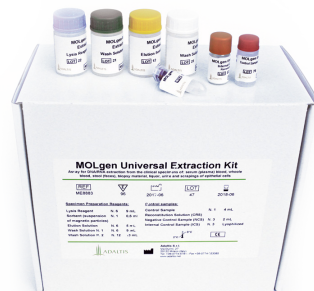
SIMPLE OPERATION

The system is supplied with pre-programmed Molgen extraction protocols. The system can be started easily via the onboard interface and guided procedures. With the extractor application the system can be connected remotely to allow programming of the eLAB as well as run monitoring and post run disinfection.



MOLgen

Molecular diagnostic panels and reagent kits for nucleic acid extraction and RT-PCR of infectious diseases and genomics



The Diagnostic kits of MOLgen series were developed for detection, confirmation and genotyping of infectious and genetics diseases by Real-Time PCR. The proprietary development enable us to provide you with a standardised, simple and readily reproducible procedure.

We provide convenient solutions in reagent configuration such as lyophilised, ready-to-use mixtures with a long shelf-life and the possibility to ship the kits at room temperature.

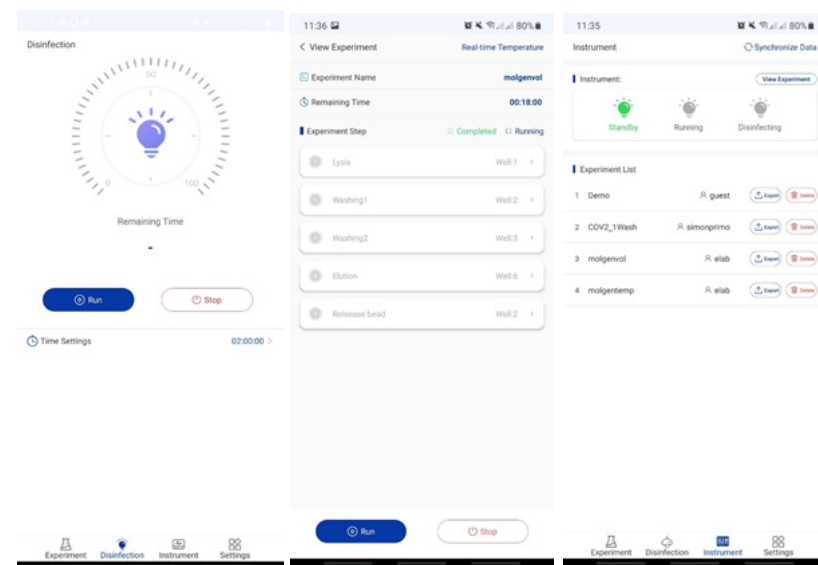
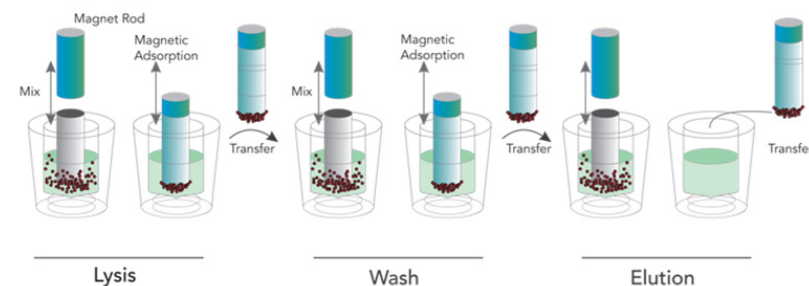
- NUCLEIC ACIDS UNIVERSAL EXTRACTION
- SAMPLE VALIDATION
- MULTI-RESPIRATORY & **SARS-CoV-2**
- HUMAN IMMUNODEFICIENCY VIRUS (HIV)
- BLOOD-TRANSMISSIVE INFECTIONS
- HEPATITIS
- TUBERCULOSIS
- TICK-BORNE INFECTIONS
- GASTROINTESTINAL INFECTIONS
- HUMAN HERPES VIRUSES
- TORCH INFECTIONS
- SEXUALLY TRANSMITTED INFECTIONS (STI)
- MULTIPLEX DETECTION OF STI
- HUMAN PAPILLOMA VIRUSES (HPV)
- VAGINAL BIOGENOSIS AND MICROFLORA
- CANDIDIASIS
- GENETICS



TECHNICAL SPECIFICATIONS

Sample Capacity	Up to 32 (32 Magnetic separation rods)
Sample throughput	Extraction in 20 minutes
Processing Volume	30 - 1000 μ L
Magnetic Bead Residue	<1%
Consumables	<ul style="list-style-type: none"> Standard 96 well 2mL deepwell plate Magnetic covers
Heating Temperature	<ul style="list-style-type: none"> Lysis heating: room temperature up to 120°C Elution heating: room temperature up to 120°C
Heating Temperature	40.0°C - 110.0°C
Operating Noise	<65 dB
Magnetic Bead Mixing	Adjustable: multi-mode, multi-level mixing
Reagent Type	Magnetic beads-based extraction kits
Operation Mode	<ul style="list-style-type: none"> Remote via smart phone /tablet (Android system) On board embedded screen
Experiment Storage	<ul style="list-style-type: none"> 15 Program capacity on the E-Lab firmware > 500 programs via the android application
Program Management	Programs can be created, edited, deleted via the Android application
Disinfection	Built-in UV disinfection module
Power Failure Recovery	Program recovery option in the event of power failure
Communication	<ul style="list-style-type: none"> Wifi control via Mobile/tablet Ethernet RJ45 USB
Size and Weight	<ul style="list-style-type: none"> 440 mm (L) 435 mm (W) 445 mm (H) 31.5 Kg31.5 Kg
Product code	ELB01

Magnetic Particle Extraction





For more information

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ADALTIS is certified in compliance with ISO9001 and ISO 13485.
Our products are CE-IVD.

