

# Libex Automatic Nucleic Acid Extractor

## Introduction

Automatic Nucleic Acid Extractor utilizes the proven magnetic bead method to extract highly purified nucleic acid from a wide range of sample types relevant for molecular diagnostics, genetic identity testing, forensic testing, biomedical research, and gene expression analysis. The combination of easy-to-use instruments with pre-loaded protocols selection, and magnetic bead-based sample preparation kits filled with unique reagents ensure rapid nucleic acid extraction and highly purified products.

## Features

### 1. Reliable results you can depend on

With magnetic bead-based extraction kits with pre-filled design, experimenters need only one step to start the extraction, which greatly minimizes manual error and ensures high purity of nucleic acid.

### 2. More efficient extraction process

When Libex collocates with pre-filled extraction reagents, 32 samples of nucleic acid for COVID DNA can be extracted within 15 minutes (extraction time varies from reagent to reagent)

### 3. More convenient with two configurations

Standalone configuration: Machine keypad operation; APP control configuration:

Cloud-enabled control via Android smartphones/tablets.

### 4. Efficient contamination control measures

With unique sample cross-contamination control system and UV disinfection function, cross-contamination can be minimized.

### 5. Simple and remarkable software

With the convenient software based on Android, a protocol can be set up and started with just a few clicks on your phones/tablets.

Friendly and intuitive interface make it simple even for first time user.



## Parameters

Model	Libex
Throughput	1-32
Processing Volume	30-1000 $\mu$ l
Recommended Sample Volume	200 $\mu$ L
Magnetic Bead Residue	$\leq 1\%$
Suitable Consumables	96-well plates, 6 strip tube
Heating Temperature	Lysis: room temperature to 120°C    Elution: room temperature to 120°C
Processing Mode	Multi-mode, multi-speed available
Reagents	Reagents suitable for Magnetic Bead Method
Operation Mode	Mode 1: Cloud-enabled control via smart phones/tablets (Android) Mode 2: Machine keypad operation
Experimental Storage	Up to 15 groups of programs saved in device; Up to >500 groups of programs saved in the Android app
Protocol Management	Create, edit, delete, protocol mode
Contamination Control	Built-in UV disinfection module
Power Failure Protection	Choose freely whether or not to continue the experiment when the power is on again after cutting off
Connection Port Type	USB
Network Connection	Wifi
Instrument Dimensions	435mm*440mm*445mm (W*L*H)
Weight	31.5kg(net)
Power Supply	AC 100-240V, 50/60 $\pm$ 1Hz; 600w
Operating Temperature Range	10~30°C
Operating Humidity Range	20%-85%