

GeneFlex Automatic Nucleic Acid Extractor

Introduction

GeneFlex Automatic Nucleic Acid Extractor is a compact and flexible automatic nucleic acid extractor designed with rotary mixing technology(RMT). Geneflex can flexibly compose 16 x n different throughputs to meet the needs of simultaneous extraction for different projects without interfering with each other. Apart from its excellent performance, GeneFlex has also won the German Red Dot Design Award 2021 for its user-friendly design. With flexible throughput and independent extraction module, Geneflex can be your ideal choice for faster and immediate testing tasks.

Features

1. Highly flexible for your needs

GeneFlex can flexibly compose 16 x n different throughputs to meet the needs of simultaneous extraction without interfering with each other. With independent extraction module, GeneFlex can realize your different but immediate testing needs from various applications.

2. Automated workflow and remote upgrade

Automatic identification of reagent protocols and position of mixing sleeves; Remote upgrade and maintenance of instruments and reagent programs.

3. Minimized contamination measures

- 1) UV lamp; 2) Internal negative pressure; 3) HEPA filtration; 4) Rotaiy mixing to reduce aerosols;
- 5) Able to work inside a biosafety cabinet for highly-contaminated samples.

4. User-friendly and convenient



- 1) 6.86-inch touch screen operation or smartphone/tablet APP control with Wifi connection;
- 2) Automatic shutdown after UV disinfection; 3)Noise-free design.

5. Easy to start experiment anywhere

With mobile power, GeneFlex can start the experiment anywhere to meet different scenar-io testing needs



Parameters

Model (compose 16 × n)	GeneFlex 16	GeneFlex 32	GeneFlex 48	GeneFlex 96	GeneFlex 192
Throughput	16	32	48	96	192
Processing Volume	20μl-1700μL				
Sample Processing Volume	200-500μl				
Compatible Consumables	 Customized 96-deep-well plates		 Customized single 6-strip tubes		
Inter-well Difference	CV≤3%				
Mixing Method	Rotary mixing				
Rotary Speed	100~3000rpm				
Temperature Control Range	Temperature control separately for lysis and elution. Temperature range from 30℃ to 120℃				
Temperature Control Accuracy	Heating speed:4.0±0.2℃/s. Temperature accuracy: ±10℃ Temperature uniformity: ≤1.0℃				
Languages	Chinese/English				
Protocol Management	Flexible to create,edit and delete protocols				
Operation Mode	Mode 1:Android systems in smartphones/tablets, Mode 2:6.86 inch full-color LCD screen				
Automatic Control	Automatic opening and closing of the experiment cabin				
Reagent Identification	Automatic identification of reagent information and running the assays				
Mixing Sleeve Monitoring	Real-time monitoring of the mixing sleeves status in experiment				
Magnetic Bead Residue	≤1%				
Power Failure Protection	Choose freely whether or not to continue the experiment when the power is on again after cutting off				
Disinfection	Ozone +UV disinfection				
Auto Power-off	Auto power-off after UV disinfection				
Negative-Pressure Filtration	Negative pressure HEPA filtration module				
Connection Port Type	USB port				
Weight	7.4Kg(net)				
Instrument Dimensions	210mm(1)*229mm(w)*242mm(H)				
Power supply	AC220V,50Hz				