TIANLONG MOLECULAR DIAGNOSTIC

Consistent
Customer-First Service

Professional Technical
Support Team

Worry-Free
After-Sales Services

Xi'an TianLong Science & Technology Co., Ltd.
Add：No. 389, Zhuhong Rd, Economic & Technology Dev. Zone，Xi'an 710018，Shaanxi, China
Email：inquiry@medtl.com
Phone：0086 029 82682132
Website：www.tlgenetech.cn

TIANLONG®

NMPA CE FDA

Libex Nucleic Acid Extractor

DUAL-MODE OPERATION
VARIOUS THROUGHPUT OPTIONS
AUTOMATED WORKFLOW
OPTIMIZED EFFICIENCY

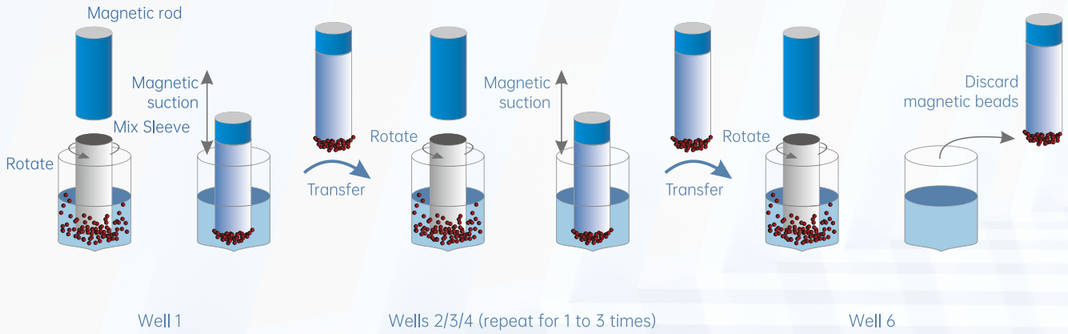
Bring Technology to Life !

Libex Nucleic Acid Extractor

Tianlong Libex Nucleic Acid Extractor is designed with the magnetic bead method for nucleic acid extraction. Using the compatible nucleic acid extraction reagents, Libex can quickly and efficiently extract the required nucleic acids from a variety of samples such as whole blood, serum, plasma, swabs, urine, animal and plant tissues, etc., ensuring the highly sensitive detection in the fields of disease prevention and control, animal epidemic control, clinical diagnostics, immigration inspection and quarantine, food safety and scientific research.

MAGNETIC BEAD TECHNOLOGY FOR NUCLEIC ACID EXTRACTION

Magnetic bead method makes nucleic acid extraction easier with higher safety and quality and has become an increasingly popular method over the traditional methods of precipitation-based lysis and spin column-based isolation. The principle of the magnetic bead based method is as follows: after the sample cells are lysed in a buffer, the free nucleic acids are then absorbed by the magnetic beads optimized for this step; the magnetic particles (magnetic beads bound to nucleic acids) can then be quickly separated from the lysis buffer by a magnetic rod; the supernatant is removed, and beads are subsequently washed in a suitable wash buffer with the removal of the magnetic field; this process can be easily repeated for multiple washes; then the nucleic acids can be eluted from the magnetic beads; and after completion of the experiment, high-purity nucleic acids can be obtained.



Technical principle of nucleic acid extraction

Reliable Quality - International Registrations and Certifications

Libex Nucleic Acid Extractor has been approved and certified in China, EU, US, UK, Ukraine, Indonesia and other countries and regions.


U.S. FOOD & DRUG ADMINISTRATION

Establishment Registration & Device Listing

1 result found for **Owner Operator Number :** 10075320

Establishment Name	Registration Number	Current Registration Yr
XIAN TIANLONG SCIENCE&TECHNOLOGY CO., CHINA LTD.	3012259842	2021
Preservative, Cytological - Sample Collection Set		Manufacturer
General Purpose Reagent - Nucleic Acid Extraction Kits		Manufacturer
Instrumentation For Clinical Multiplex Test Systems - Real Time PCR System, Genter 96E Genter 96R, Genter 96C, Genter 96S, Genter 48E, Genter 48R, Genter Mini		Manufacturer
Clinical Sample Concentrator - Automatic Nucleic Acid Workstation-PANA 96000 PANA 48000S, Nucleic Acid Extractor/Libex: GeneRotex 96, GeneRotex 48, GeneRotex 24, NP968-C, NP968-S		Manufacturer
Equipment, Laboratory, General Purpose, Labeled Or Promoted For A Specific Medical Use - Automated Sample Processing System, GeneMini 48		Manufacturer


CERTIFICATE of Conformity

TÜVRheinland

Registration No.: AK 50311955 0001

Report No.: 17043135 002

Holder: Xi'an Tianlong Science and Technology Co., Ltd.
No. 389, Zhuhong Road
Xi'an, Shaanxi Province 710018
P.R. China

Product: Medical Device (Nucleic Acid Extractor)

Identification: Type Designation: Libex
Serial No.: n.a.
Remark: Refer to test report 17043135 002 for detailed

Tested acc. to: EN 61010-1:2010
IEC 61010-2-081:2015
IEC 61010-2-101:2015
EN 61326-1:2013
EN 61326-2-6:2013

The certificate of conformity refers to the above mentioned product. This is to certify that the specimen is in conformity with the assessment requirement mentioned above. This certificate does not imply assessment of the production of the product and does not permit the use of a TÜV Rheinland mark of conformity.

Certification Body
Dipl.-Ing. (FH) C. Nasce

Date 16.06.2015

TÜV Rheinland LGA Products GmbH · Tillystraße 2 · 90431 Nürnberg


열 람 용

의료기기 수입 신고증

업허가번호 : 제 3813호

구 분	수입	품목/품목류	품목
명 칭 (제품명,품목명,모델명)	Libex Nucleic acid extractor,핵산추출기구,Libex	분류번호(등급)	A22380.02 1
모 양 및 구 조	별첨		
원 재 료	해당없음		
제 조 방 법	해당없음		
사 용 목 적	사용목적 : 별첨, 성능 : 별첨		
사 용 방 법	별첨		
사용 시 주의사항	별첨		
포 장 단 위	해당없음		
기 재 사 항	해당없음		
제조원 (수입 또는 제조공정 전부 위탁의 경우)	별첨		
비 고			

「의료기기법」 제6조 및 같은 법 시행규칙 제5조 제4항에 따라 위와 같이 신고를 수리합니다.

2016 년 09 월 20 일

의료기기정보기술지원센터장 (인)

열 람 용

변경 및 처분 사항 등

년 월 일	내 용	
2016-09-20	최초 허가	
	[허가받은 사항]	[변경사항]

보 별 명

일련번호	보 별 명
1	Libex

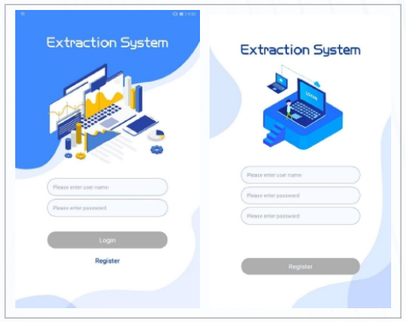
제조원

일련번호	제조회사지
일련번호	제조자
1	Xi'an TianLong Science and Technology Co., Ltd.(한국,XD.389 Zhuhong Road, Xi'an 710018 Shaanxi Province, P.R. China.)

FEATURES

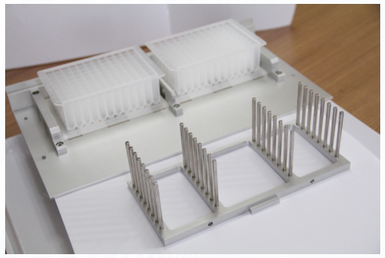
Dual-mode operation

The easy-to-use nucleic acid extraction APP in Android system enables the control and operations of your experimental programs from smart phones/tables, in addition to the machine keypads.



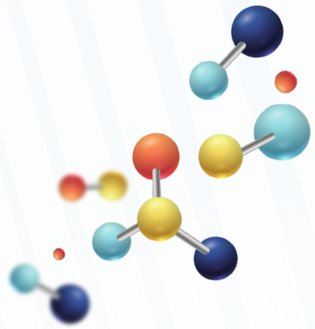
Various throughput options

Compatible with Tianlong pre-filled reagents (tube strips and plates); Capable of high-efficiency nucleic acid extraction of 1-32 samples.



Ultra-quiet design

Your lab working experience will be quieter and more comfortable with Libex's internal air duct system and the smart magnetic frame of which the operating amplitude and frequency are automatically adjustable.

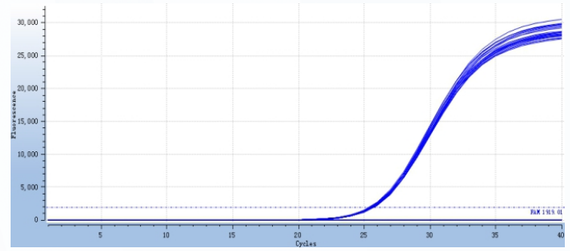


Powerful and stable sample processing capacity

Sample	S1	S2	S3	S4	S5	S6	S7	S8
A260/A280	1.80	1.81	1.81	1.79	1.81	1.80	1.80	1.81
A260/A230	2.04	2.05	2.03	2.03	2.04	2.03	2.02	2.05
ng/μL	106.1	107.0	106.5	106.4	106.8	106.3	106.5	106.7

Extraction results of 200μL whole-blood sample (Data source: Hunan Provincial Maternal and Child Health Care Hospital)

Together with Tianlong pre-filled reagents and low-sorption extraction consumables, after only one step of manual sample loading, the whole extraction process is carried out and completed in the experimental chamber, thusly minimizing any manual errors.



Real-time PCR results of the same hepatitis B serum sample after extraction (Data source: Shijiazhuang Sixth Hospital)

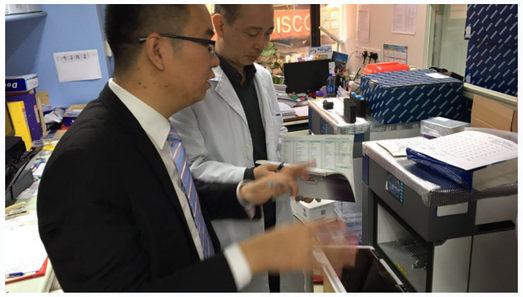
Contamination control and self-cleaning

Zero cross-contamination with the unique sample cross-contamination control system and UV disinfection function.

Safe and reliable system

With automatic lock down when opened, closed operations of the experimental chamber with disposable consumables, the human-sample/reagent contact is minimized to protect you from any harmful substances.

LIBEX IN CUSTOMER APPLICATIONS



Hong Kong Molecular Pathology Diagnostic Centre

Customized for an IVD company (Singapore)

Libex in Wuhan Mobile Hospital (CCTV News)

Tianlong Libex Used in Anglo Group Makeshift Laboratory in South Africa

SPECIFICATIONS

Throughput	32
Processing Volume	30-1000μL
Recommended Sample Volume	200μL
Magnetic Bead Residue	≤1%
Suitable Consumables	96-well plates, 6-tube strips
Heating Temperature	Lysis heating: room temperature to 120°C Elution heating: room temperature to 120°C
Mixing Mode	Optional multi-modes and multi-gears for mixing
Reagent Type	Magnetic beads-based extraction kits
Operation Mode	A. Cloud-enabled control via smart phones/tablets (Android); B. Machine keypad operation
Experimental Storage	Up to >500 groups of programs saved in the Android app; Up to 15 groups of programs saved in device
Program Management	Programs can be created, edited, applied and deleted with high flexibility
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, Ethernet, USB Type-B
Network Connection	Cloud-enabled control on smart phone/tablet
Instrument Dimensions	435mm×440mm×445mm (W×L×H)
Weight	31.5kg (net)
Power Supply	AC 100-240V, 50/60±1Hz; 600w
Operating temperature range	10~30℃
Operating humidity range	20%-85%