



CE IVD

MagPurix[®] EVO

Nucleic Acid Solution, Have it your way

- ▶ Patent Liquid handling System
- ▶ Worry-Free, Less Maintenance
- ▶ Development Platform
- ▶ Traceability

LIMS system and Automatic video





Zinexts Life Science has become a leading Biotechnology Company that is designing, developing and manufacturing a wide array of reliable, user friendly and cost effective Molecular Biology laboratory solutions for Clinical Diagnosis, Lifesciences and Research.

We have built up distributor network in more than 50 countries including Americas, Asia Pacific, Middle East, Africa and Europe. In addition, we have more than 1500 system over the world.

10 Year Experience

- ▶ Integrity
- ▶ Innovation
- ▶ Efficiency
- ▶ more then 10 Patents

2 Quality Certification

- ▶ ISO 13485
- ▶ GMP

>1500 System Over the World

- ▶ OEM / ODM
- ▶ Molecular Assay System and Reagent development
- ▶ Firmware / software developement
- ▶ System optimization
- ▶ Bulk reagent manufacturing

Solution in Quality

MagPurix EVO

Make Lab Performance Beyond Outstanding



The MagPurix EVO series is our new fully-automated clinical sample preparation system for fast, high-purity, high-yield nucleic acids & cell purification from a wide range of sample types for molecular diagnostic, biological diagnostic, clinical diagnostic, and forensic. Inheriting all benefits from the MagPurix family, the features include a compact, user friendly and intuitive interface, pre-loaded protocols with free upgrades, and a full kits and samples traceability system with end-run complete report in compliance with 21 CFR part 11 regulation. The MagPurix EVO Systems empower scientists and laboratories to achieve meaningful results with confidence and simplified sample preparation to minimize hands-on time, handling error and purification variability.

Easy Run, Easy Clean



Pretreatment

- ▶ Diversity kits for different sample (As order information)

- ▶ No manual adding reagent, cartridge in and out



Sample Preparation

- ▶ Sample to Nucleic Acid/ Walk Away System
- ▶ Patented Liquid Handling System Technology
- ▶ Solution Development Platform

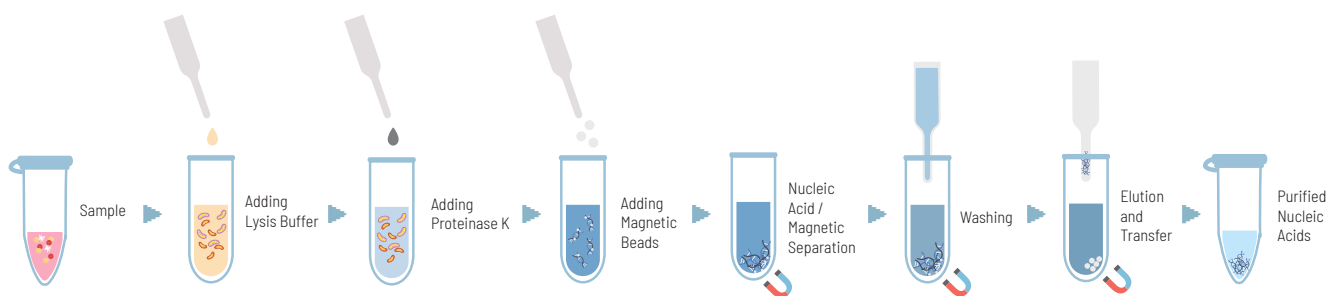


Maintenance & Performance

- ▶ LISM Report & Traceability System
- ▶ Worry-Free Less Maintenance
- ▶ Outstanding Performance

Patented Liquid handling system

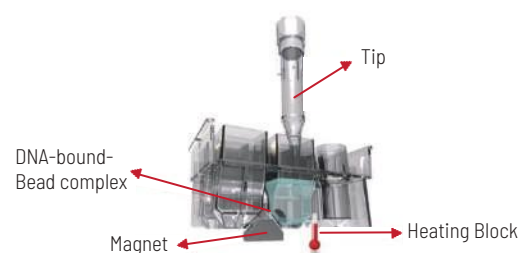
Advanced Magnetic Bead Extraction Technology



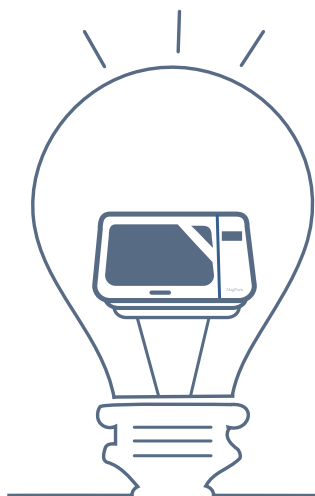
The MagPurix technology is a state of the art platform that uses magnetic bead to extract nucleic acids from samples. The platform commits a truly walk-away automation in nucleic acid purification from samples to results. The purification process contains steps of lysis, binding, washing and elution.

Polygon Reaction Chamber®

Precise liquid handling patented sliding slope design ensure better purification efficiency of lysis and elution and minimize the residues of magnetic beads and alcohol in final elute product.



Development Platform



It is time to make your idea work on fully-automatic system !

MagPurix EVO is not only sample preparation solution but also protocol developed platform.

- Commercialization your idea -

IN PUT YOUR IDEA



- Commercialization
- Co-Branding
- Co-Marketing
- Raw Material Supply



MAKE YOUR IDEA REAL



INNOVATION PRODUCT



Our experienced and knowledgeable R&D team will provide you a product development service that is helping you to make your idea be real product.

Worry- Free

Less contamination and maintenance, more confidence and efficiency

PREPARE



- ▶ Eliminate contamination with prefilled reagents and disposables, and synchronized stage movement.
- ▶ Barcode screening for expire date inspection.

RUNNING



- ▶ Holder leap to fix disposable parts
- ▶ Door sensor

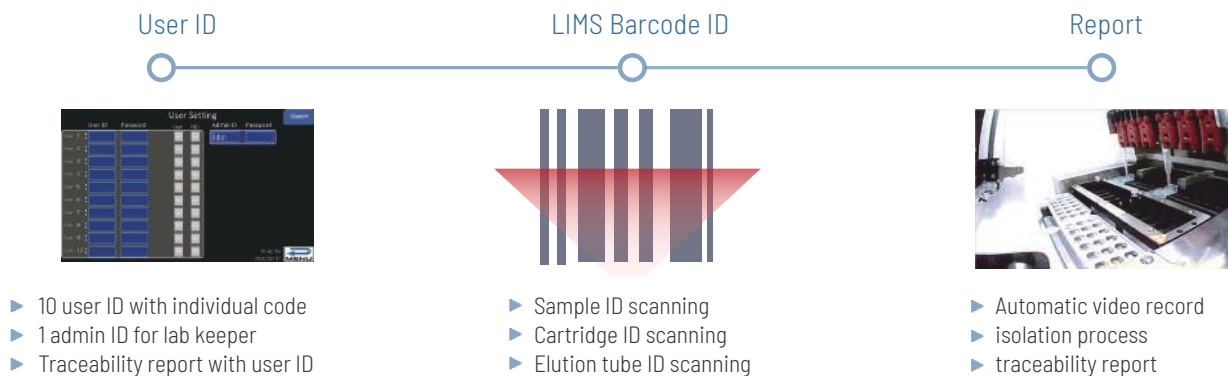
MAINTENANCE



- ▶ Instrument Real-time self-calibration to save routine maintenance work.
- ▶ UV decontamination

Traceability

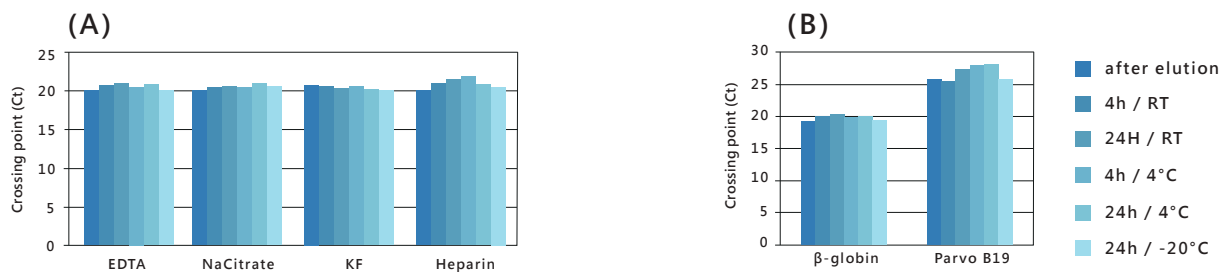
User log in with ID, and scan the barcode on sample tube/ cartridge/ elution tube, and camera automatic monitor hold process, and the system will record all information. The Log file help to complete the traceability functionality, the log files can be export easily by SD card.



Outstanding Performance Come from Higher Standard

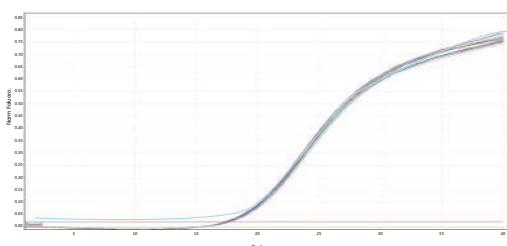
▶ Stability

The DNA were extracted from whole blood by MagPurix Blood DNA Extraction kit 200. Real-time qPCR detection of the β -globin (A) and spiked parvovirus B-19 DNA (A, B). No significant influences on samples with different anticoagulants and storage conditions.



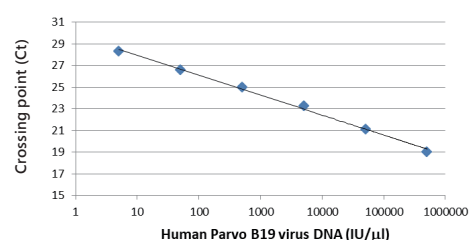
▶ Reproducibility

The DNA were isolated by MagPurix blood DNA extraction kit from twenty whole blood samples. The β -globin gene was detected by real-time qPCR. This data shows ultra high stability and reproducibility of MagPurix 12s nucleic acid purification system.



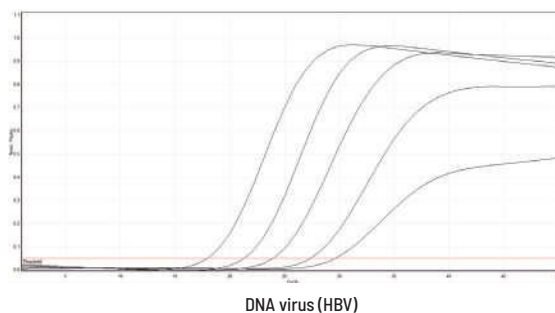
▶ Sensitivity

Using whole blood (in EDTA collection tube) spiked with serial-diluted human Parvo B19 Virus (in range of 25-2500000 IU/ml). 200 ml sample were extracted and eluted in 100ml. 10ml eluate was used for real-time PCR reaction by RealStar® Parvovirus B19 PCR kit 1.0. As little of 5 IU spiked (about 1 IU in PCR reaction) sample can be detected, proving the excellent sensitivity and linearity of isolation procedure.



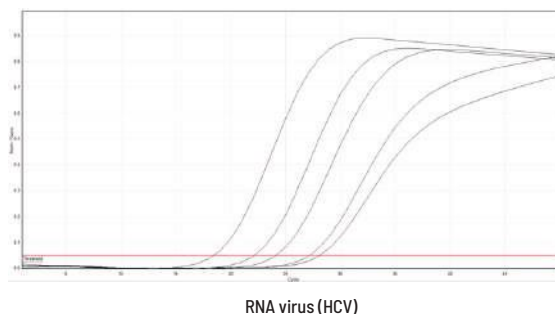
► Sensitivity and linearity

Using serum spiked with serial-diluted Hepatitis B Virus (in range of 300000-30 IU/ml). 200µl sample were extracted and eluted in 100µl. 30µl eluate was used for real-time PCR reaction by AmpliSens® HCV/HBV/HIV-FRT PCR kit. As little of less than 6 IU spiked (about 1 IU in PCR reaction) sample can be detected, proving the excellent sensitivity and linearity of isolation procedure.



► Sensitivity and linearity

Using serum spiked with serial-diluted Hepatitis C Virus (in range of 500000-50 IU/ml). 200ml sample were extracted and eluted in 100ml. 30ml eluate was used for real-time PCR reaction by AmpliSens® HCV/HBV/HIV-FRT PCR kit. As little of less than 10 IU spiked (about 3 IU in PCR reaction) sample can be detected, proving the excellent sensitivity and linearity of isolation procedure.



Specification



12 EVO



24 EVO

GENERAL SPECIFICATION	Dimension (WxDxH)	62.3 x 63.5 x 60.9 cm	91.5 x 66.5 x 60.4 cm
	Weight	70 kg	100 kg
	Power Supply	100 - 240 V AC +/- 10% , 50 / 60Hz +/- 5%	
	Display	7" inch color Touch Panel	
	LIMS connectivity	Import Sample ID/ Export the traceability report via SD card	
EXTRACTION FEATURES	Sample Volume	100µl-2ml (maximum to 10 ml sample with pretreatment)	
	Elution Volume	50 - 300µl	
	Processing Time	30 - 180 min (protocol dependent)	
	Processing Capability	1/12 samples/run	1/24 samples/run
	LIMS connectivity	Import Sample ID/ Export the traceability report via SD card	
	Sample Type	Whole Blood, Buffy Coat, Leukocytes, Plasma, Serum, FFPE, Fresh/ Frozen tissue, Culture cell, Saliva, Sputum, Bacterial cell, Swabs, Stool, Urine, Forensics and other Biological sample	
	Target of Purification	Genomic DNA, Total Viral Nucleic acid, Bacterial DNA, cfDNA, ctDNA	
TEACEABILITY / SAFETY	Real-Time Video Recorder	Automatic video recording during entire extraction process	
	UV cotamination	Built-in UV lamp decontamination	
	Door Sensor/ Safety Lock	✓	✓
	Consumable fixing lock	✓	✓

Order INFO

Order Information

Name	Description	Cat. No.	Instrument
MagPurix 12 EVO	Fully-automated clinical sample preparation system from 1-12 and 1-24 simultaneously biological samples. A full kits and traceability system with end-run complete report in compliance with 21 CFR part 11 regulation	ZP01018	Fully-automated clinical sample preparation system
MagPurix 24 EVO		ZP01019	

Name	Description	Cat. No.	Reagent Kits
MagPurix Blood DNA Extraction Kit 200	Whole blood, peripheral blood mononuclear cell or buffy coat, Sample volume range: up to 400 μ L, for 48 tests	ZP02001	Blood & Cell
MagPurix Blood DNA Extraction Kit 1200	Whole blood, peripheral blood mononuclear cell or buffy coat, Sample volume range: up to 1 mL, for 48 tests	ZP02002	
MagPurix Cultured Cell DNA Extraction Kit	For extracting genomic DNA from up to 5x10 ⁶ cultured cells, for 48 tests	ZP02005	
MagPurix Viral Nucleic Acid Extraction Kit	For extracting viral nucleic acids from plasma, serum or cell-free body fluids, Sample volume range: up to 400 μ L, for 48 tests	ZP02003	Pathogen Viral/ Bacterial
MagPurix Bacterial DNA Extraction Kit	For extracting genomic DNA from bacteria, for 48 tests	ZP02006	
MagPurix HPV DNA Extraction Kit for Swab Samples	For extracting HPV DNA from swab samples, for 48 tests	ZP02007	
MagPurix TB DNA Extraction Kit	For extracting Mycobacterium tuberculosis DNA from sputum, pulmonary and cultured samples, for 48 tests	ZP02008	
MagPurix Viral/Pathogen Nucleic Acids Extraction Kit A	For extracting viral DNA/RNA and pathogen DNA from cell free samples, for 48 tests	ZP02011	
MagPurix Viral/Pathogen Nucleic Acids Extraction Kit B	For extracting viral DNA/RNA and pathogen DNA from swab samples, for 48 tests	ZP02012	RNA
MagPurix Viral Nucleic Acid Extraction Kit LV	For extracting large volumes of viral nucleic acids from plasma, serum or cell-free body fluids, Sample volume range: up to 1000 μ L and 2000 μ L, for 48 tests	ZP02016	
MagPurix Viral RNA Extraction Kit	For extracting viral RNA from plasma or serum, for 48 tests	ZP02013	
MagPurix Total RNA Extraction Kit	For extracting total RNA from a variety of sample types, for 48 tests	ZP02015	Tissue
MagPurix Tissue DNA Extraction Kit	For extracting genomic DNA from a variety of animal tissues, swap and blood stain, for 48 tests	ZP02004	
MagPurix FFPE DNA Extraction Kit	For extracting genomic DNA from formalin- fixed, paraffin-embedded tissue (FFPE) samples, for 48 tests	ZP02009	
MagPurix CFC DNA Extraction Kit	For extracting circulating DNA from plasma, serum or cell-free body fluids, Sample volume range: up to 1000 μ L and 2000 μ L, for 48 tests	ZP02017	cfDNA
MagPurix cfDNA Extraction Kit Plus	For extracting circulating DNA from plasma, serum or cell-free body fluids, Sample volume range: up to 1000 μ L and 2000 μ L, for 48 tests	ZP02024	
MagPurix cfDNA Extraction Kit LV	For extracting circulating DNA from plasma, serum or cell-free body fluids, Sample volume range: over 2000 μ L, for 48 tests	ZP02025	
MagPurix Plant DNA Extraction Kit	ZP02014-48 For extracting gDNA from a variety of plant samples, for 48 tests	ZP02014	Food
MagPurix Forensic DNA Extraction Kit	For extracting genomic DNA from a wide range of forensic & human identity samples, for 48 tests	ZP02010	Forensic



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