

Lab Automation

MagPurix[®] EVO

The 3rd Generation
Automated Sample Prep. System

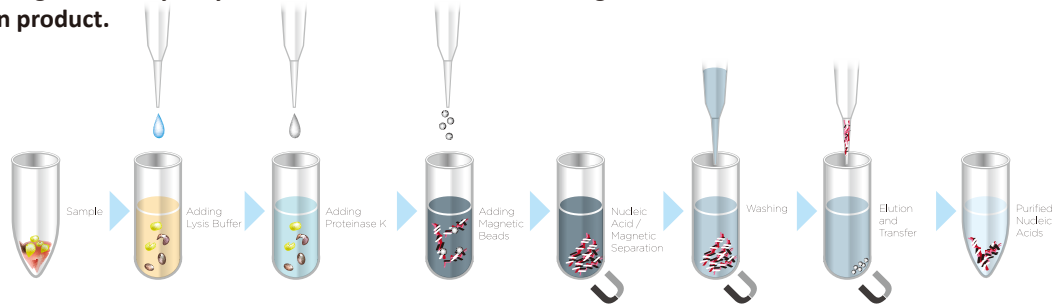


Purify DNA / RNA / CTC with a finger touch

The MagPurix EVO series is our new fully-automated clinical sample preparation system for fast, high-purity and 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.

Technology

The highest quality is empowered by Zinexts' proprietary Magnetic Bead Separation Technology to ensure high efficiency of lysis and elution, and minimize magnetic beads and alcohol residues in final elution product.



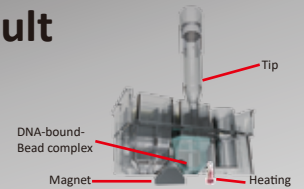
Traceability

- ✓ Sample ID scanning
- ✓ Cartridge ID scanning
- ✓ Elution tube ID scanning
- ✓ Traceability report



High Quality Result

Precise liquid handling
Patented sliding slope design ensure better purification efficiency



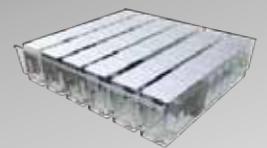
Intuitive Interface

7" touch panel display and graphic UI makes the system easy to use, no complicated training required in advance



Ready-to-go-Reagents

Validated protocols and optimized reagent kits ensure high quality and high yield of NA purification. The purified nucleic acids can be used directly in NGS, qPCR and ddPCR assays



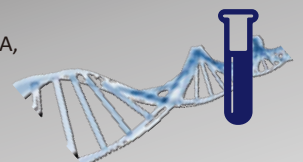
Worry-Free

Eliminate contamination with prefilled reagents and disposables, and synchronized stage movement



Liquid Biopsy

Isolation of cell free circulating DNA, circulating tumor cells and circulating tumor DNA, from liquid biopsies such as blood, plasma, urine and saliva.





GENERAL SPECIFICATION	12 EVO	24 EVO
Exterior Design	Sliding door	
Control Type	Mitsubishi PLC	
Display	7" inch color Touch Panel	
Heating	• (Room Temp. to 100°C)	
Power Supply	100-240 V AC +/- 10%, 50/60 Hz +/- 5%	
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
LIMS connectivity	Import Sample ID / Export the traceability report via SD card or mini USB*	
Real-Time Video Recorder	Automatic video recording during entire extraction process	
EXTRACTION FEATURES		
Throughput	Processing 1-12 samples per run	Processing 1-24 samples per run
Method	Magnetic bead based extraction technology	
Liquid Handling	•	•
Polygon Reaction Chamber	•	•
Sample Volume	100 µL- 10 mL	
Elution Volume	50-300 µL	
Extraction Time	30-180 min (protocol dependant)	
Sample Type	Whole blood, Buffy coat, Leukocytes, Plasma, Serum, FFPE tissue, Fresh/frozen tissue, Cultured cells, Saliva, Sputum, Bacterial cells, Swabs, Stool, Urine, Forensics and other Biological samples	
APPLICATION		
Nucleic Acid Extraction	DNA, RNA extraction, purification, isolation, sample preparation from bio specimen, used for PCR, qPCR, sequencing, NGS, genotyping, restriction enzyme digestion, hybridization, food inspection, GMO, and more	
Bisulfite Conversion	Processing DNA extraction and bisulfite conversion together for methylation-specific PCR assay	
CTC Capture & Staining**	•	•
DNA Concentration & Clean-up	Concentrating DNA from large volume liquid biopsy specimen with special coated magnetic bead	
DNA Fractionation	Purify DNA from liquid biopsy samples and followed by HMW DNA & LMW DNA separation	
Target of Purification	Genomic DNA, Total Viral Nucleic Acids, Bacterial DNA, cfDNA, ctDNA, CTC...	
CONVENIENCE FEATURES		
6-separable reaction strip cartridges	•	•
Pre-filled, foil-sealed ready-to-use reagent cartridges	•	•
Easy protocol setup by touch panel	•	•
Removable sample / purified nucleic acid Rack	•	•
Purified nucleic acids can be transferred to 1.5 ml Eppendorf tube or 0.2 ml PCR tube***	•	•
Disposable auto-piercing	•	•
Self-calibration	•	•
LIGHTING		
Lighting	LED	LED
SAFETY / FEATURES		
UV Decontamination	Built-in UV lamp decontamination	
Contamination Prevention	Synchronized stage movements protect each sample from cross-contamination	
Door Sensor / Safety Lock	•	•
Consumable fixing lock	•	•
CE IVD	•	•
LIMITED WARRANTY		
	Motor 5 years / Whole System 2 years****	

* Option for user's selection, requiring additional purchase of PC and software package

** Designed to provide simple, sensitive and quantitative assessment of CTC enrichments by the EpCAM magnetic beads & reagents

*** Optional rack for carrying 0.2 ml PCR tube is optional and a separate purchase

****Warranty not covered: Accidents, misuse, abuse and modifications. All forms of corrosion or other environmental conditions including lightning, natural disasters, improper installation and installation of an incorrect part. Normal wear and tear, used or salvage parts installed and shipping damage. Consumables such as door spring, piston set, LED lighting module and UV lamp.