

Magnesia¹⁶



16 samples,
Barcode tracking,
Cartridge system,
Automatic extraction,
UV Lamp, HEPA filter options!

Just one touch to start action

Start

IVD CE

Anatolia
geneworks

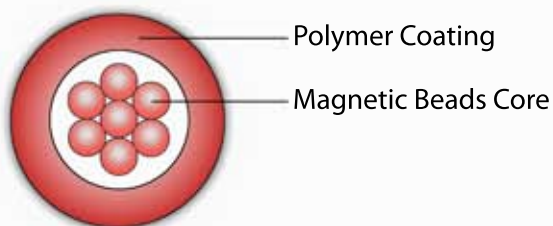


As a summary...

Magnesia™ 16 magnetic bead extraction system provides fast, effective and contamination-free nucleic acid extraction with ready-to-use protocols and the prefilled cartridge system.

1 to 16 samples can be placed into the instrument after a short preparation time. Then, all the technician has to do is to “start and forget”. Cartridges are opened for the first time by the robotic pipette, and each sample is transferred by sterile filtered pipette tips to its specific cartridge where the reaction takes place.

These operational principles combines with the instrument’s structural features, the UV lamp and HEPA filter options, to establish the reliable guarantee to prevent cross contamination and to enable safe working conditions.



Cellulose based Fe_3O_4 nanoparticles employed in Magnesia™ extraction system, display superparamagnetic properties. Magnetic beads with a diameter of only 150 nm, together with their magnetic mass value of approximately 80 emu/g, constitute the core of the most effective and consistent nucleic acid extraction systems.



And Details...

This simply designed, multifunctional panel enables users to start the extraction just by pressing a few buttons. The codes on the cartridges identify the specific protocol codes. To choose the required protocol, it is enough to enter the three-digit numbers into the instrument's microprocessor using the touchscreen. Selecting the start-up and elution volumes among the options and completing the approval steps of the protocol constitute that takes only few seconds. The whole duration of the extraction protocols is very short, starting from just 33 minutes.

All consumables supplied with the extraction kits can be placed into their racks very easily. These steps which an average technician may complete in just three minutes, are the whole labor need of the Magnesia™ 16.



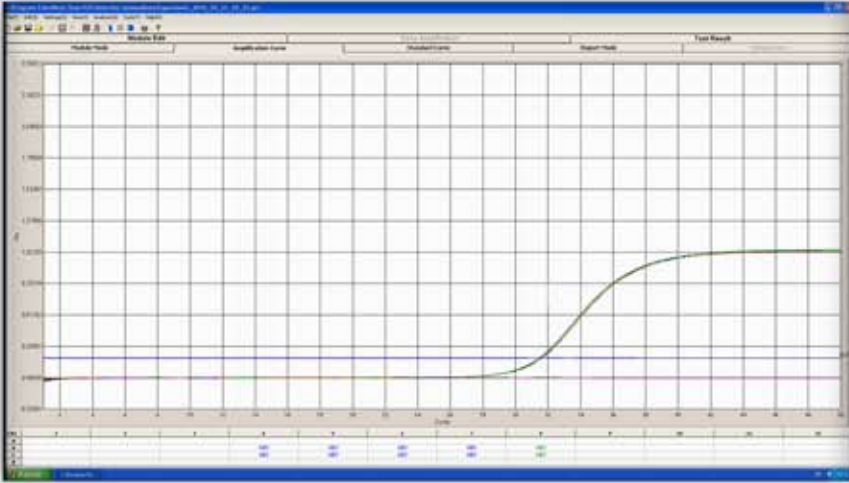
With its user-focused design, reliable stainless-steel, high performance and special kits for various applications, Magnesia™ 16 isolation system is a complete solution that can be used both for research or in-vitro diagnostics.

Magnesia™ 16 İzolasyon Sistemi	
Method	Full Automated Isolation with Cellulose Coated Magnetic Beads
Capacity	1-16 Sample
Sample Volume:	200/400/1200µl
Elution Volume	60/100/150/200µl
Efficiency	6mg/200µl
Heating Block	Yes
UV Light	Yes
HEPA Filter	Optional
Sizes and Weight	55cmX66cmX68cm 70kg

Extraction Kits Suitable for Various Applications

Code No: 101	Magnesia Genomic DNA Whole Blood Kit (200/400 µl)
Code No: 102	Magnesia Genomic DNA Extra Pure Whole Blood Kit (200/400 µl)
Code No: 104	Magnesia Genomic DNA Large Volume Whole Blood Kit (1200 µl)
Code No: 110	Magnesia Cultured Cells DNA Kit
Code No: 201	Magnesia Viral Nucleic Acid Extraction Kit (200/400 µl)
Code No: 202	Magnesia Extra Pure Viral Nucleic Acid Extraction Kit (200/400 µl)
Code No: 301	Magnesia Genomic DNA Plant Kit (400 µl)
Code No: 401	Magnesia Genomic DNA Tissue Kit
Code No: 502	Magnesia Genomic DNA Bacterial Kit
Code No: 601	Magnesia Total RNA Whole Blood Kit

High Reproducibility and Sensitivity



Real-Time PCR analysis of eight 97/750 WHO HBV DNA standard serum dilutions and two negative samples isolated by Magnesia™ 16.

(Montania™ 483 instrument and Bosphore™ HBV Quantification v1 Real-Time PCR kit have been used.)



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