

Extractor

BioMagPure 12 Plus

Description

The **BioMagPure 12 Plus** consists of compact bench-top robotic workstations for automated nucleic acid purification.

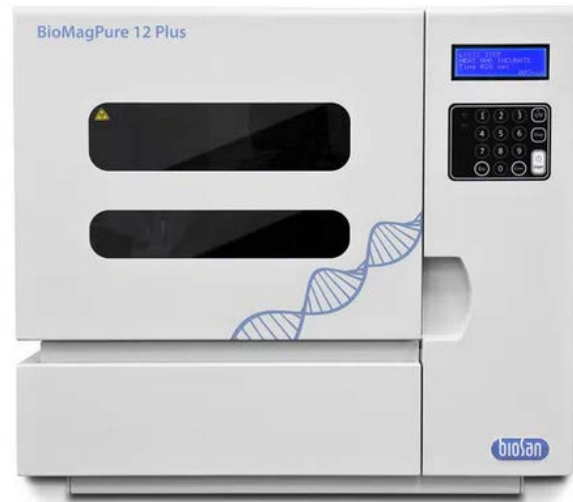
Usage of pre-filled reagent cartridges and disposable consumables enable a true walk-away automation and high quality nucleic acid extraction solution. Proven magnetic separation technology makes purification efficient, easy to use, reliable, safe and cost effective.

Part number: 111.2019a

BioMagPure 12 Plus has an ingeniously designed polygonal reaction chamber with patented parts that ensure high efficiencies of lysis and elution through large contact area of magnet and heating element allowing to maximize magnetic bead recovery, minimize the residues of magnetic beads and alcohols in the final elute product. Specific formation of reaction chamber ensures unrivaled mixing ability and exclude conventional mixing by tip or pipetting thus eliminates crosscontamination possibility.

Reagent kits contains everything for extraction procedure performance including all necessary plastics, pre-filled reagent cartridges, incubation buffers and solutions for sample pre-treatment (if needed). Find suitable reagent kits on page 3.

With the flexibility of processing 1-12 samples per run, the BioMagPure 12 is tailor-made to fit small clinics and early stage laboratories. By occupying minimal counter space and greatly reducing technician man-hours, this series allows organizations to operate facilities in a much more cost effective fashion.



Benefits

- Advanced magnetic bead technology (fig. page 2)
- Reaction chamber with patented parts
- Piercing-pin system for elimination of cross-contamination
- Walk-away automation
- Reliable quality
- No PC required
- Ready-to-use reagent cartridges
- 3 easy steps: LOAD-RUN-OBTAIN (fig. below)

Applications

- Blood
- Pathogen: Virus/Bacterial
- Cells
- Forensic
- Tissue / FFPE
- Food safety / Plant
- Methylation /CFC DNA

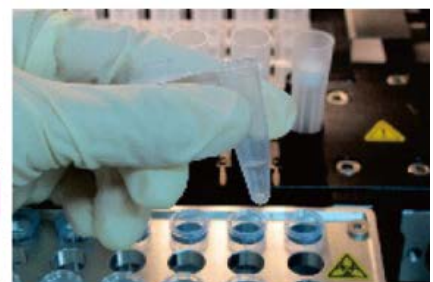
Step 1: Load



Step 2: Run



Step 3: Obtain



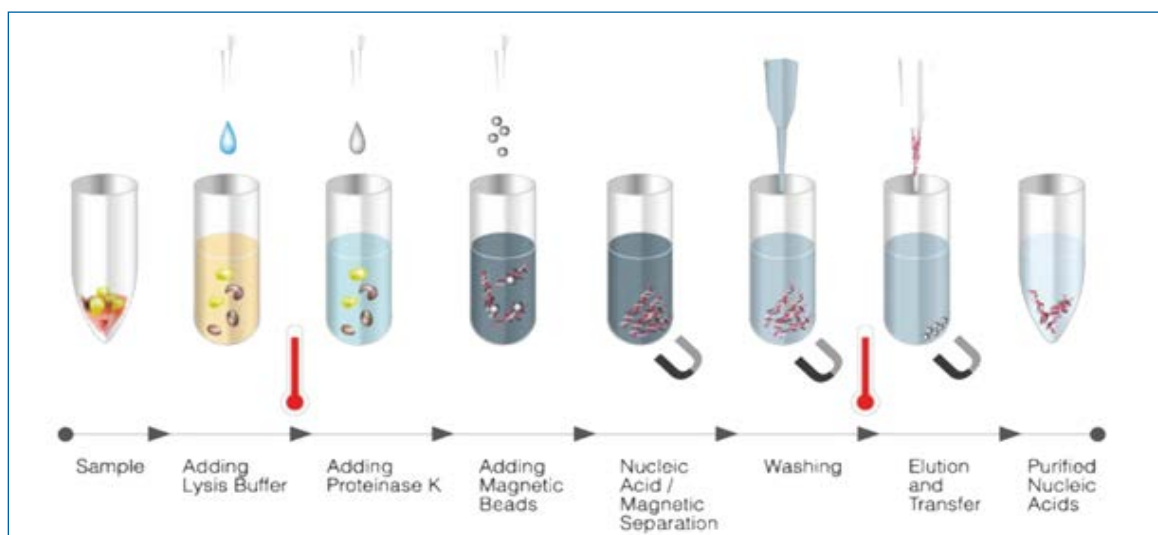
Extractor BioMagPure 12 Plus



Technical Data

Processing time	45 – 60 min
Processing capability	1 – 12 samples per run
Extraction technology	Magnetic particle separation technology
Protocol	Programmed by scanning a barcode
Protocol input	Barcode scanner
Sample volume	10 – 2000 µl (depending on kit)
Elution volume	50 – 400 µl
Connection to PC	not required
Display	LCD (20 x 4)
Certification	CE / IVD
Nominal operating voltage	110 – 240 V, 50/60 Hz
Dimensions (W x D x H)	560 x 590 x 510 mm
Weight	55 kg

Extraction Process



Reagents for Extractor BioMagPure 12 Plus

Description

Reagents for BioMagPure 12, compact bench-top extractor for automated nucleic acid purification. Usage of pre-filled reagent cartridges and disposable consumables enable a true walk-away automation and high quality nucleic acid extraction solution. Proven magnetic separation technology makes purification efficient, easy to use, reliable, safe and cost effective.

Benefits

- Advanced magnetic bead technology
- Patented reaction chamber
- Walk-away automation
- Reliable quality
- Ready-to-use reagent cartridges
- 3 easy steps: LOAD-RUN-OBTAIN



Compatible Extractions Kits

Part number	Kit name	Description	Sample volume range
LTF-060201-AK	Blood DNA Extraction Kit 200	For extraction of DNA from mammalian whole blood, suspension of mammalian blood cells	10 - 400 µl
LTF-060201-BK	Blood DNA Extraction Kit 1200	For extraction of gDNA from 400-1000µl mammalian blood, suspension of mammalian blood cells	400 - 1000 µl
LTF-060201-CK	Viral Nucleic Acid Extraction Kit	For extraction of Viral DNA or RNA from human biological specimens such as serum, plasma, and other cell-free fluids.	
LTF-060201-DK	Tissue DNA Extraction Kit	For extraction of genomic DNA from a variety of animal tissues, swab samples and blood stain	
LTF-060201-EK	Cultured Cell DNA Extraction Kit	For extraction of genomic DNA from culture cells and buffy coat	
LTF-060201-FK	Bacterial DNA Extraction Kit	For extraction of genomic DNA from both Gram-positive and Gram-negative bacteria	
LTF-060201-GK	HPV DNA Extraction Kit for swab	For DNA extraction of the Human Papillomavirus (HPV) from cervical cell samples which collected by cervical brush or genital swab in liquid-based Medium (e.g. Hologic Thin)	
LTF-060201-IK	TB DNA Extraction Kit	For extraction of genomic DNA of Mycobacteria spp. (e.g. Mycobacterium tuberculosis) from different specimen	

More Extraction Kits for BioMagPure 12 Plus

Part number	Kit name	Description	Sample volume range
LTF-060201-JK	FFPE DNA Extraction Kit	For extraction of genomic DNA from FFPE (Formalin-Fixed, Paraffin-Embedded) tissue samples. Providing good quality, high integrity DNA for Molecular diagnosis and research works	
LTF-060201-KK	Forensic DNA Extraction Kit	Extracts and isolates genomic DNA from forensic samples	
LTF-060201-LK	Viral/Pathogen Nucleic Acids Extraction Kit A	For extraction of Viral and bacterial DNA/RNA from cell-free samples, such as serum, plasma, and other cell-free body fluids	
LTF-060201-MK	Viral/Pathogen Nucleic Acids Extraction Kit B	For extraction of viral and bacterial DNA/RNA from swab samples (cell-rich samples).	
LTF-060201-NK	Viral Nucleic RNA Extraction Kit	For extraction of Viral RNA from human biological specimens such as serum, plasma, and other cell-free fluids.	
LTF-060201-OK	Plant DNA Extraction Kit	For extraction of genomic DNA from plant (leaf, seeds and spores) and fungal tissues, up to 100 mg of tissue can be used for purification	
LTF-060201-PK	Total RNA Extraction Kit	For extraction of total RNA from whole blood, blood cells, animal tissue, plant tissue, yeast or cultured cells	
LTF-060201-QK	Viral Nucleic Acid Large Volume Extraction Kit	For extraction of Viral DNA or RNA from human biological specimens such as serum, plasma, and other cell-free fluids	
LTF-060201-RK	CFC DNA Extraction Kit Large Volume	For extracting circulating DNA from plasma serum or cell-free body fluids	up to 5 ml