

Automated Nucleic Acid Extractor LA1118

InstaN[®] Mag-16



Portable



UV Sterilization



Process sample
Capacity



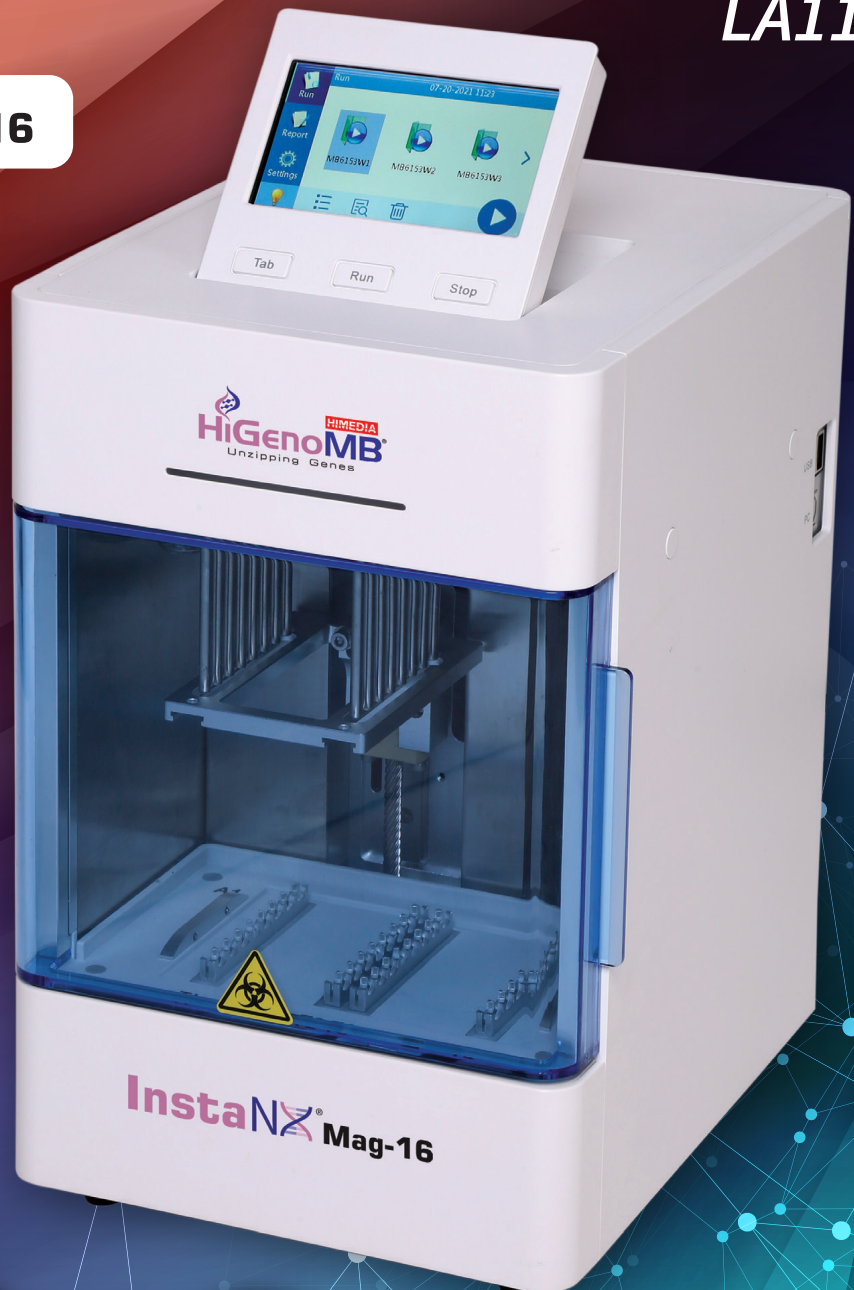
Easy to move



Fast Extraction



Easy to Use

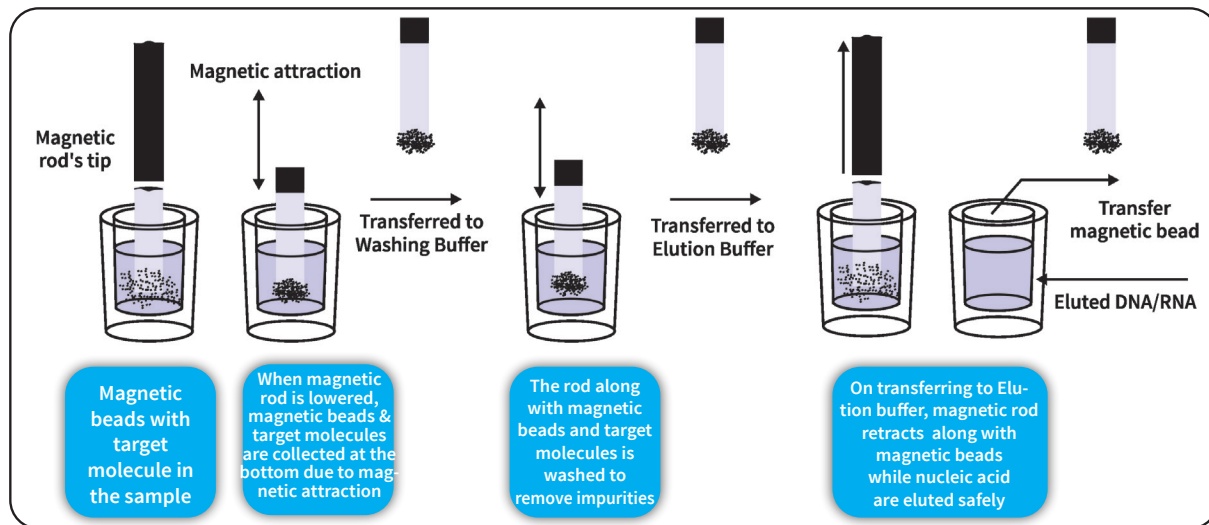


Insta NX[®] Mag16^{Plus} Automated Nucleic Acid Extractor

Description

Insta NX[®] Mag16^{Plus} Automated Nucleic Acid Extractor is a State-of-the-Art for automatic extraction and purification of DNA/RNA. These adsorb, transfer and release magnetic beads. The magnetic rod's tip are used to separate magnetic beads and samples. The operation is automatic, fast and simple. Users can extract 1-16 samples at a time. Different kinds of samples can be extracted for e.g. animal/human tissue, blood, serum, plasma and body fluids etc. Can be processed with magnetic bead based nucleic acid extraction reagents.

Principle:

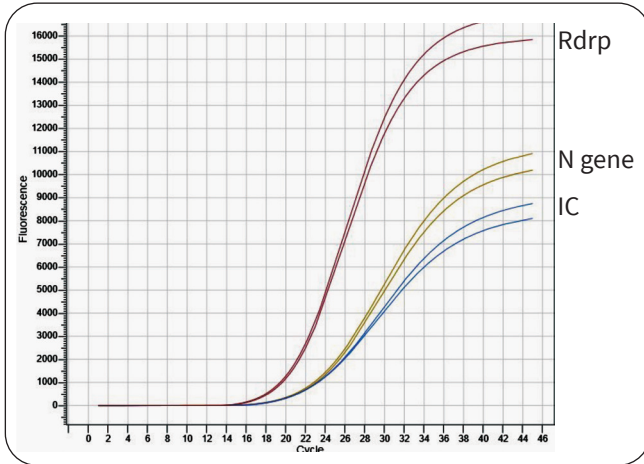


Features

- 1 Unique Touch screen and 3 shortcut keys for operation.**
- 2 Fast extraction - 17 ~ 50min for different assays.**
- 3 High quality consumables - qualified materials and processes which guarantee high yield and low loss of magnetic beads.**
- 4 Open software system**
- 5 Self-sterilization - with UV sterilizing function reduces the possibility of contamination.**
- 6 Stability - Low noise and No vibration during working.**
- 7 Safe and reliable - Fully automatic with disposable consumables which protect users from hazardous reagents.**
- 8 Heating function - Pyrolysis heating and elution heating.**
- 9 Can be operated by an external mouse.**

COVID-19 Diagnostics

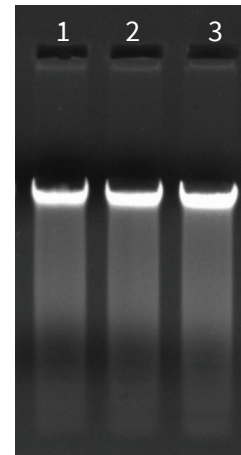
Covid detection using Insta NX® Mag16 & MBPCR255



Target Gene	Ct Value
Rdrp	21.24
N gene	23.73
IC	23.13

Clinical Diagnostics

Blood DNA purification data - MB583PC16200 with Insta NX® Mag16

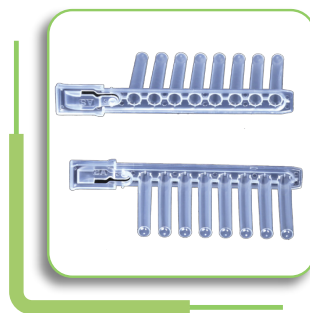


Lanes	Yield (ng/μl)	Purity (A ₂₆₀ /A ₂₈₀)
1	49.85	1.85
2	44.40	1.82
3	42.85	1.81

Accessories for Insta NX® Mag16^{Plus}



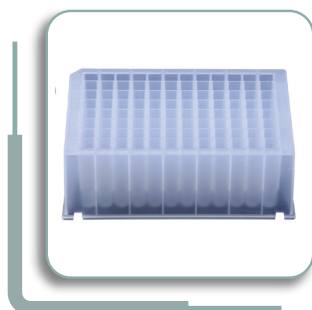
Single Sample Cartridge



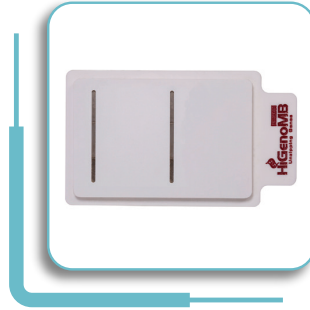
Magnetic Rod's Tip LA1118B



Cartridge Holder LA1118CH



96 Deep Well Plate LA1096B





16 well Magnetic Pad - LA1107



Pre-filled plates

Kits for Insta NX[®] Mag16^{Plus}

RNA Kits	Code
HiPurA [®] Pre-filled cartridges for Viral RNA Extraction	MB615PC1611 
HiPurA [®] Pre-filled Plates for Viral RNA Extraction	MB615MPF1611
HiPurA [®] Pre-filled Plates for Viral RNA Extraction-16	MB615MPF-16D 
DNA Kits	Code
HiPurA [®] Pre-filled Cartridges for DNA Extraction DNA	MB554PC16200
DNA /RNA Kits	Code
HiPurA [®] Pre-filled Clinical Multi Purpose Nucleic Acid Purification Kit (Plant)	MB583MPF16200
HiPurA [®] Pre-filled Clinical Multi Purpose Nucleic Acid Purification Kit (Cartridges)	MB583PC16200

Specifications

Product Name	Insta NX [®] Mag16 ^{Plus}
Product Code	LA1118
Sample Capacity	1~16
Process volume	50 to 1000µl
Sample Volume Range	25 to 800µl
Elution Volume	50µl (can be optimized upto 25µl based on assay suitability)
Consumables	Single sample cartridge or 96 Deep well plate + Special magnetic rod's tip
Working principle	Magnetic bead based method
Magnetic Rod	4200 gauss
Purification accuracy	100 copy sample positive rate > 95%
Stability	CV<3%
Magnetic beads recycling rate	>95%
Temperature Range	Room temperature to 120°C
Lysis temperature	Room temperature to 120°C
Elution temperature	Room temperature to 120°C
Mixing	Mixing ways can be edited
Operation interface	4.3 inch
Built-in protocol	8 groups of preset protocols, 100 groups of protocols can be stored
Protocol management	Protocols can be created, edited, deleted or save as templates
Expansion interface	Standard USB, Ethernet port and RS 232 available
Lighting	Yes
Sterilization	UV light
Exhaust way	By Exhaust Fan
Data storage	Available
Max. input power	DC24V, 160W
Dimension W X D X H	208 x 258 x 315 mm
Weight	8.5 Kg

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