



HiMedia's COVID-19 Detection portfolio

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8. Pre- filled Plates and HiMedia Plates compatible with Thermo Instruments



Points covered in the Webinar today

Workflow of COVID testing

Virus Inactivation Media & Kits

HiGargle™ Saline Gargle Kit

EliSafe 19™ COVID-19 ELISA Detection Kits

MB Products for Diagnosis of COVID-19

Salivol™ Container for Sputum & Saliva Sample

InstaNX® Mag series

Pre-filled Plates and HiMedia Plates compatible with Thermo Instruments



Flow chart for Testing of COVID-19 samples

Nasopharyngeal (NP) swab, oropharyngeal (OP) swab, nasal mid-turbinate swab, anterior nares (nasal swab), Nasopharyngeal wash/aspirate or nasal wash/aspirate (NW) should be placed immediately into a sterile transport tube containing 2-3mL viral transport medium (VTM)



Perform Viral RNA Extraction using manual/automated extraction systems as per manufacturer's instructions



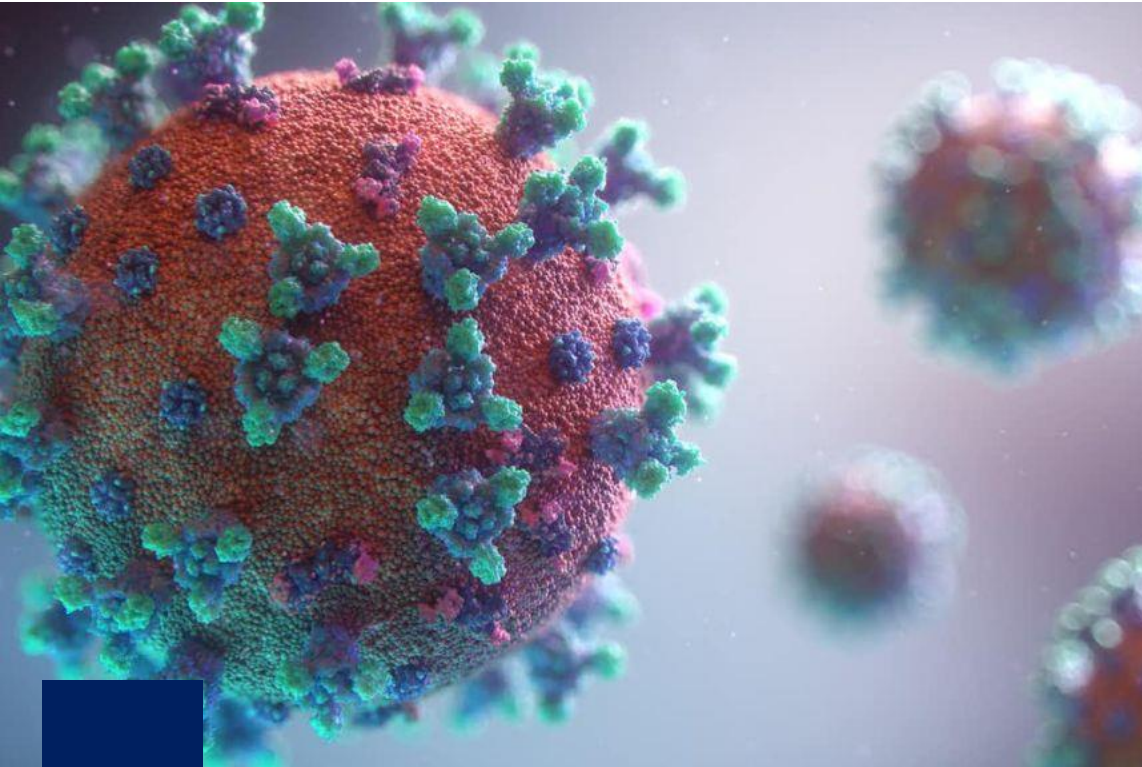
Perform Real-time PCR for the extracted RNA Qualitative detection of SARS-CoV-2 RNA:
Screening Target: Envelope gene (E-gene) Confirmatory Target: RNA-dependent RNA polymerase (RdRp gene), Nucleoprotein gene (N-gene), open reading frame (orf1ab)



HiMedia Products for Diagnosis of COVID-19



COVIDSafe™ Virus Inactivation Media & Kits



- Rapid Inactivation of Infectious Samples
- CE Marked for IVD (98/79/EC)
- Cold chain not required for transportation
- Safe & efficient workflow for molecular testing
- Validated by reputed Indian Institute – NIV
- Ideal for Pandemics
- Sample stability

Ambient Temperature

2 – 8°C

-20°C

-80°C

8 Days

15 Days

1 Month

1 Year



COVIDSafe™ Product Range



Code	Name
AL167CS-50NO	COVIDSafe™ Virus Inactivation Medium With Virus Inactivation Medium in self-standing tube
MS5760-50NO	COVIDSafe™ Virus Inactivation Kit With Virus Inactivation Medium in self-standing tube and one Sterile Nasopharyngeal Nylon Flocked Swab with Breakpoint
MS5760A-50NO	COVIDSafe™ Virus Inactivation Kit (A) With Virus Inactivation Medium in self-standing tube, One Sterile Nasopharyngeal Nylon Flocked Swab with Breakpoint and One Sterile Oropharyngeal Viscose Swab without Breakpoint
MS5760Q-50NO	COVIDSafe™ Virus Inactivation Kit (Q) With Virus Inactivation Medium in self-standing tube, one Sterile Nasopharyngeal Nylon Flocked Swab with Breakpoint and one Sterile Oropharyngeal Nylon Flocked Swab with Breakpoint
MS5760L-50NO	COVIDSafe™ Virus Inactivation Kit (L) With Virus Inactivation Medium in self-standing tube, One Sterile Nasopharyngeal Nylon Flocked Swab with Breakpoint and One Sterile Oropharyngeal Viscose Swab with Breakpoint



HiGargle™ Saline Gargle Kit (MS6760)



- CE marked for IVD (98/79/EC)
- Manufactured in WHO-GMP, ISO 9001, ISO 13485 certified facility
- Non-invasive sample collection
- Swabs NOT required
- Skilled healthcare professionals NOT required for sample collection
- Cost effective & user-friendly technique



EliSafe 19™ COVID-19 ELISA Detection Kits



- An In vitro diagnostic kit for qualitative detection of IgG antibodies against S1 fragment of SARS-CoV-2 by standard ELISA method from human serum/plasma samples.
- Qualitative detection of S1 protein (spike protein) of SARS-CoV-2 IgG
- Sensitivity of assay = 99%
- Specificity of assay = 100%
- Validated and approved by ICMR
- ISO 13485:2016 Certified
- CE marked for IVD (98/79/EC)



Animal Tissue Culture

Global Recognition for

CONTRIBUTION

*in
COVID-19 Pandemic*

With immense pleasure we would like to announce that HiMedia Laboratories Pvt. Ltd. has been listed as one of the *Leading Players in the Swabs Collection Kit Market* in a market review report 'Global Swabs Collection Kit Market Growth 2020' published by Sports Skylark, Chicago, July 2020.

It is a remarkable achievement and a proud moment for us to get recognized among top 3 out of 18 reputed international players of Viral Transport Media and Kits.

With another feather in HiMedia's cap, we assure our continued support and service to the World by supplying premium quality Virus Transport & Testing Solutions and strive towards winning the battle against COVID-19 global pandemic.... Keep an eye over upcoming new products in the portfolio – COVIDSafe, ELISafe 19 and QuickTest....

Dr. Vishal G. Warke





HiMedia MB Products for Diagnosis of COVID-19

Product code	Product Name
Extraction Kits	
MB615	HiPurA [®] Viral RNA Purification Kit
MB620	HiPurA [®] Water Viral RNA Purification Kit
MBIN013	Insta NX [®] Viral RNA Purification Kit
MB615-MPF3211	Super11 Pre-filled Plates for Insta NX [®] Mag32
MB615-MPF9611	Super11 Pre-filled Plates for Insta NX [®] Mag96
MB615-MPF32200	Pre- filled Plates for Insta NX [®] Mag32
PCR & Other Reagents	
MBPCR243A	Hi-PCR [®] Coronavirus (COVID-19) Multiplex Probe PCR Kit 2.0
MBT095	HiScript One Step RT-PCR Kit (Semi-Q PCR Based)
MBT181	Hi-Quanti One Step Probe Based RT-PCR Kit
MBT128	Hi-Quanti One Step SYBr Based RT-PCR Kit (Real time PCR Based)
MBT076	Hi-cDNA Synthesis Kit
MBT138	HiScript Two Step RT-PCR Kit
MBT072	M-MuLV Reverse Transcriptase (RNase H-)
MBT061	2X PCR TaqMixture
MBT180	Hi-Quanti 2X Realtime PCR Master Mix
MBT060	Taq Polymerase (5 units/ μ l)
MBT078	A ready to use mix of dATP, dCTP, dGTP and dTTP solutions, 10mM
MBT059	A ready to use mix of dATP, dCTP, dGTP and dTTP solutions, 100mM
MBT058	dNTP solutions set, contains 100 mM each of dATP, dCTP, dGTP, dTTP (0.25ml of each dNTP)
MBT187	dNTP Mix, 40mM (A ready to use mix of dATP, dCTP, dGTP and dTTP solutions)
ML162	RNase Kii™



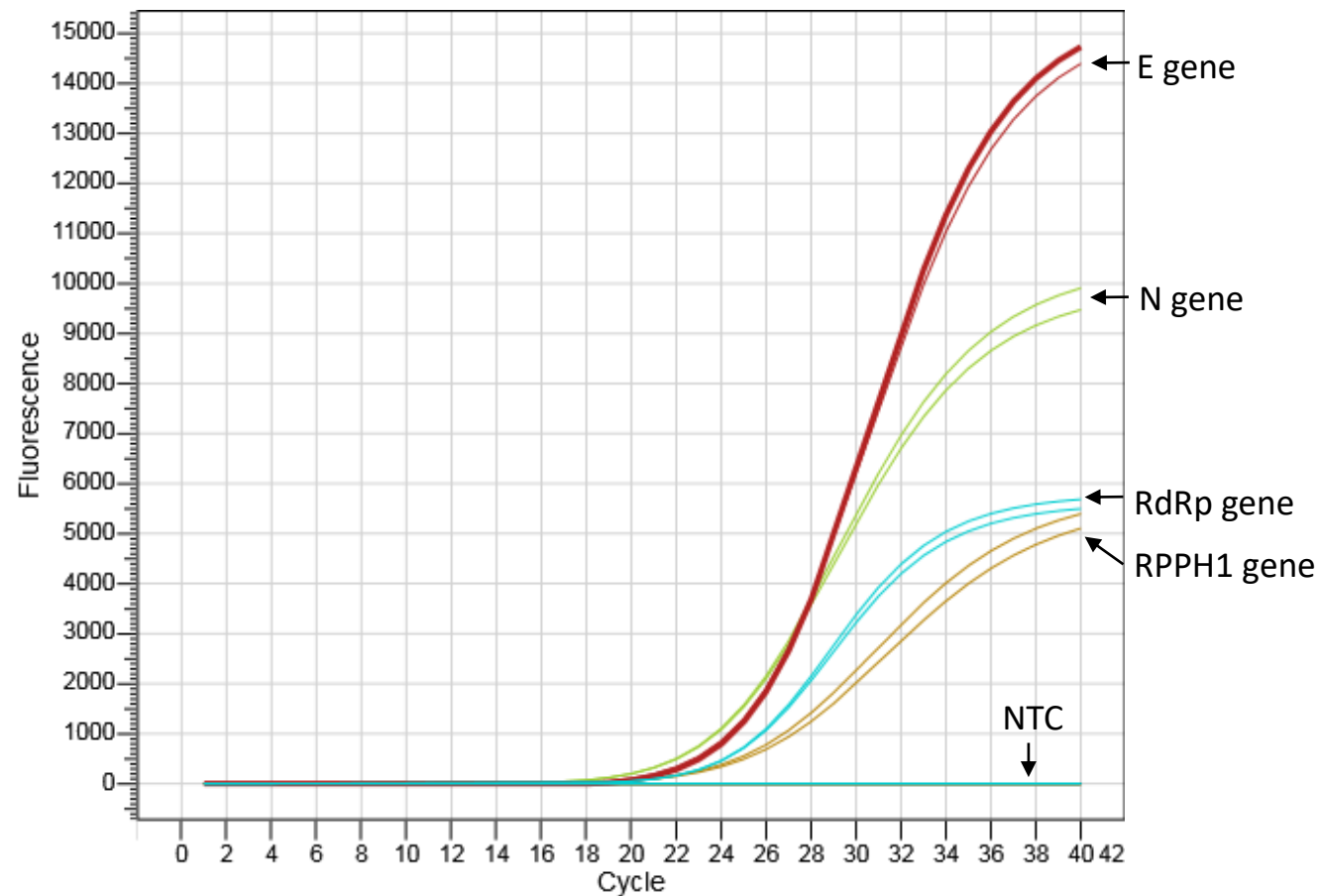
HiPCR[®] Coronavirus (COVID-19) Multiplex Probe PCR kit (MBPCR243A)

- Multiplex Kit

Target	Details
N gene	Nucleo capsid gene specific to COVID-19
RdRpGene	Confirmatory gene specific to COVID-19
E gene	Screening gene
RPPH1 gene	Endogenous control

**CE/ IVD
Approved**

HiPCR[®] Coronavirus (COVID-19) Multiplex Probe PCR kit





HiPCR[®] Coronavirus (COVID-19) Multiplex Probe PCR kit (MBPCR243A)

- Multiplex Kit



MBPCR243A Hi-PCR[®] Coronavirus (COVID-19) Multiplex Probe PCR Kit 2.0

Description

A series of severe unexplained viral pneumonia cases of unknown cause emerged in Wuhan, Hubei, China, in December 2019 was later identified as coronavirus disease 2019 (COVID-19) caused by severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2). Coronaviruses are enveloped viruses with a positive-sense single-stranded RNA genome and a nucleocapsid of helical symmetry with a characteristic club-shaped spikes on the surface. They are highly diverse due to constant mutations and recombination. There are about 40 different varieties of coronavirus distributed mainly into 5 genera. SARS-CoV-2 is a β coronavirus, subgenus Sarbecovirus, 150-200nm in diameter with a genome size of about 30 Kb. In response to the novel coronavirus (SARS-CoV-2) outbreak, HiMedia has developed a multiplex Reverse Transcriptase Real-Time PCR kit which enables the clinicians and public health laboratories to quickly diagnose COVID-19 infection. This Real-Time PCR kit is a fast, highly sensitive multiplex diagnostic solution for detection of RNA from the SARS-CoV-2 virus.

NOTE: Hi-PCR[®] Coronavirus (COVID-19) Multiplex Probe PCR Kit 2.0 is for *in-vitro* use only.

Intended Use

Hi-PCR[®] Coronavirus (COVID-19) Multiplex Probe PCR Kit 2.0 is intended for use by qualified clinical laboratory personnel trained in the techniques of real-time PCR and *in vitro* diagnostic procedures. The kit is recommended for sensitive and specific detection of SARS-CoV-2 in clinical samples.

Product Description

Hi-PCR[®] Coronavirus (COVID-19) Multiplex Probe PCR Kit 2.0 includes primer-probe sets specific to Envelope Protein (E) gene, Nucleoprotein (N) gene and RNA-dependent RNA polymerase (RdRp) gene and internal process control. Kit also provides synthetic positive controls for validity of the test.



Hi Media MB Products for Diagnosis of COVID-19

Lab Aids and Plasticware	
LA611	Varivol II Micropipette-10 (Capacity: 0.5 to 10 μ l)
LA615	Varivol II Micropipette-100 (Capacity: 10 to 100 μ l)
LA614	Varivol II Micropipette-1000 (Capacity: 200 to 1000 μ l)
LA749A	Barrier Tips, Maximum capacity 10 μ l
LA750A	Barrier Tips, Maximum capacity 20 μ l
LA751A	Barrier Tips, Maximum capacity 200 μ l
LA859A	Barrier Tips, Maximum capacity 1000 μ l
PR12	8-Strip PCR Tube with dome cap – Clear (Vol 0.2ml)
PR14	8-Strip PCR Tube without cap – Clear (Vol 0.2ml)
PR15	8- Strip PCR Tube Flat
PR16	8-Strip optically clear Dome caps for Real-time PCR
PR17	8-strip tubes & optically clear flat caps for PCR
PR22	8 strip PCR tubes & optically clear flat caps for Real-time PCR (Vol 0.1ml)
PR23	8 strip PCR tubes & optically clear with attached flat caps for Real-time PCR (Vol 0.1ml)
CG281	PCR Tubes, Flat lid, 0.5ml
CG282	PCR Tubes(Autoclavable), Flat lid, 0.2ml
CG282E	PCR Tubes(Sterile,), Flat lid, 0.2ml
PW1255	PCR Tubes, 0.2 ml
PR18	Optical Sealing film
PR20	Aluminium Sealing Film
PR21	Polypropylene Sealing Film
PR2/PR3/PR5/PR19	PCR Plates
LA886/LA893/LA894	Blue Nitrile Examination Gloves
CG300	Tube Racks 0.5 ml and 1.5 ml
PW1215	Polypropylene Cryogenic Storage Box, 100 wells
LA938M	Freeze Tag, Multicolor Dots
LA227	Disposable Surgeon's Kit (XL)



Hi Media MB Products for Diagnosis of COVID-19

Instruments	
LA1073	Insta Q96 [®] Plus Real time PCR System, 96 well block, 5 channels
LA1074	Insta Q96 [®] - 6.0 Real time PCR System, 96 well block, 6 channels
LA1001	TabSpin™ Microcentrifuge Rotor capacity: 12 x 0.2/0.5/1.5 or 2.0 mL tubes
LA1056	Insta NX [®] Instrument - fully automated nucleic acid purification system utilizing the Innovative Super -S membrane column method
LA1096	InstaNX [®] Mag32
LA1097	InstaNX [®] Mag96
LA1098	HiPer [®] TEMP Shaker
LA1115	Wee Dry™
LA1116	HiPurA [®] Sanitizer



Salivol™ Container for Sputum & Saliva Sample



**Saliva Collection
Funnel with
Stabilizer**

- Reliable and cost-effective
- Simple and non-invasive saliva collection
- Sample collection and preservation in one convenient kit
- Compatible with most DNA/RNA isolation methods
- Preservation of DNA/RNA in saliva samples at ambient temperature



HiGenoMB's CE/IVD Certified Start-to-End Molecular Detection Solution for COVID-19



STEP 1

- InstaNX® - 12well
- InstaNX® Mag32
- InstaNX® Mag96



STEP 2

- Real time PCR Kit
- (Minimal Technical Expertise)



STEP 3

- Real Time PCR Instrument
- Insta Q96® 6.0- 6 channel
- Insta Q96® Plus- 5 channel



The InstaNX[®] Mag Series



InstaNX[®] Mag-96

InstaNX[®] Mag-32



High throughput

User friendly

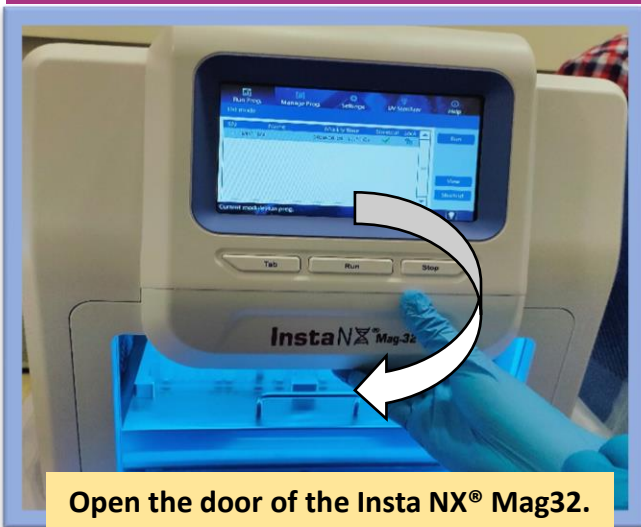
Open machine

1st step for COVID Detection

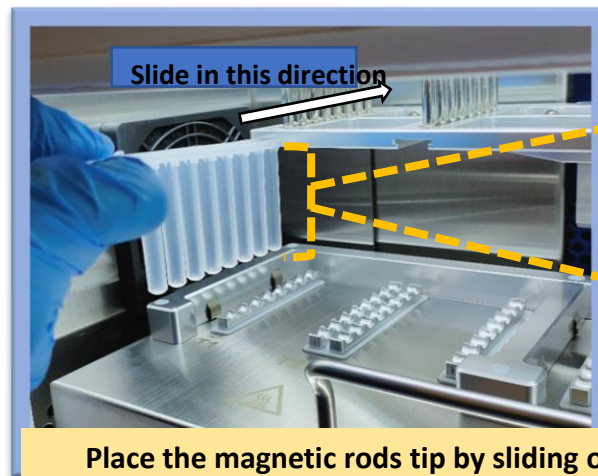
Reduces errors



The InstaNX[®] Mag Series



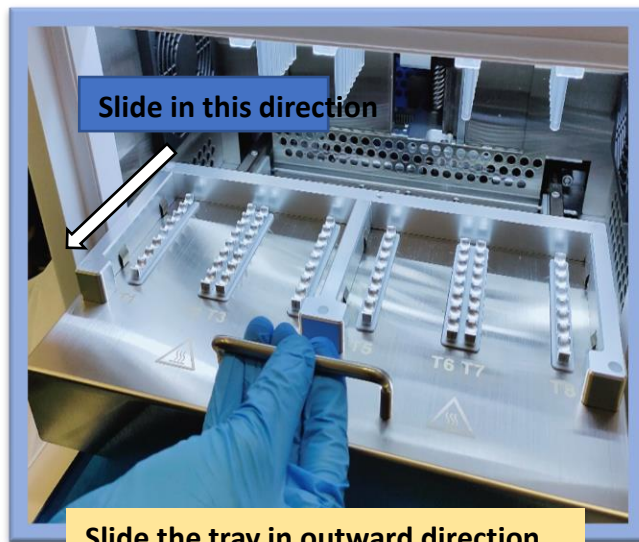
Open the door of the Insta NX[®] Mag32.



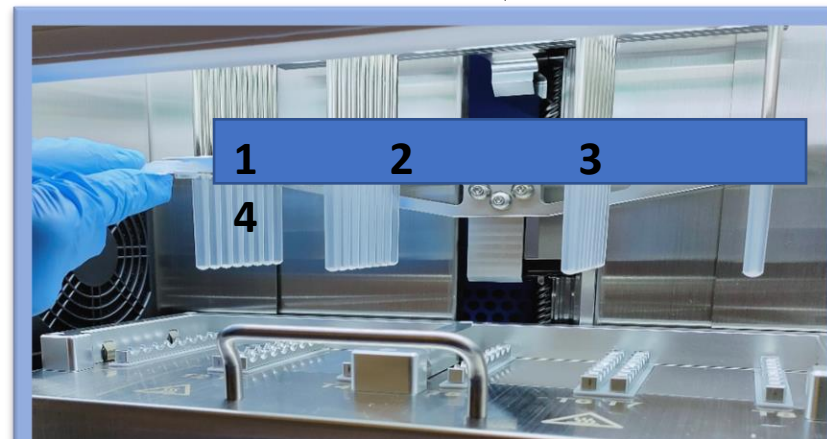
Place the magnetic rods tip by sliding onto the machine.



Magnetic rods tip



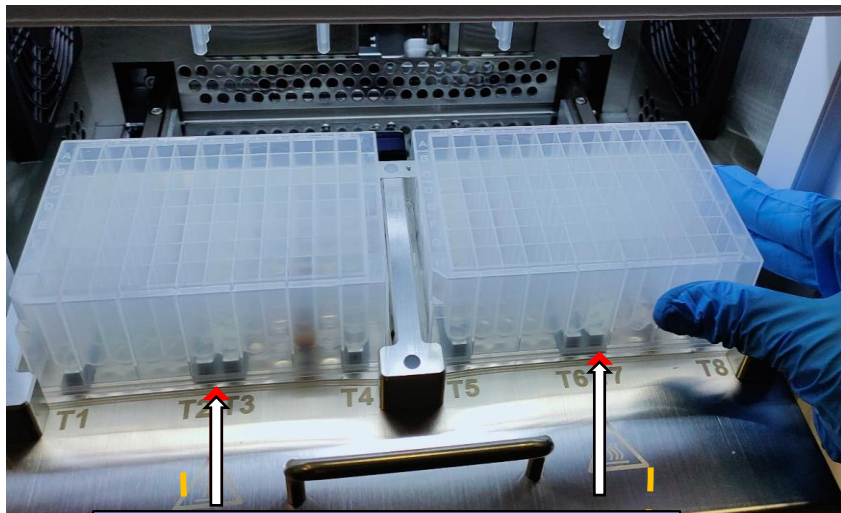
Slide the tray in outward direction



Place the magnetic rods tip at all 4 positions onto the machine for 32 samples.
NOTE: Place 2 magnetic rods at position 1 and 2 for processing 16 samples.

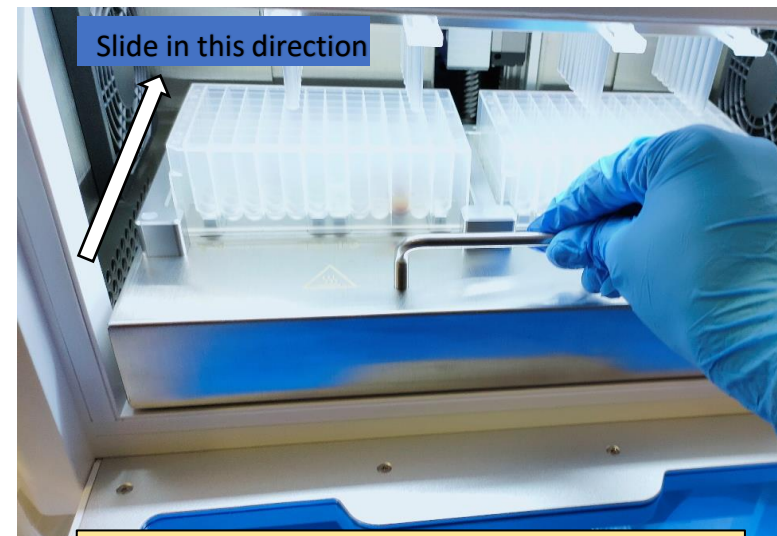


The InstaNX[®] Mag Series

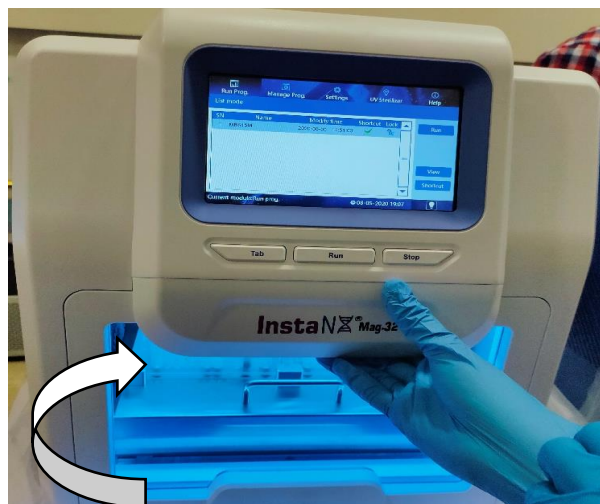


96 Deep Well Plate for Insta NX[®] Mag32

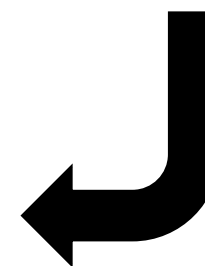
Place the filled 96 Deep Well Plates onto the machine for 32 samples



Slide the tray back to its position



Close the door of the Insta NX[®] Mag32.

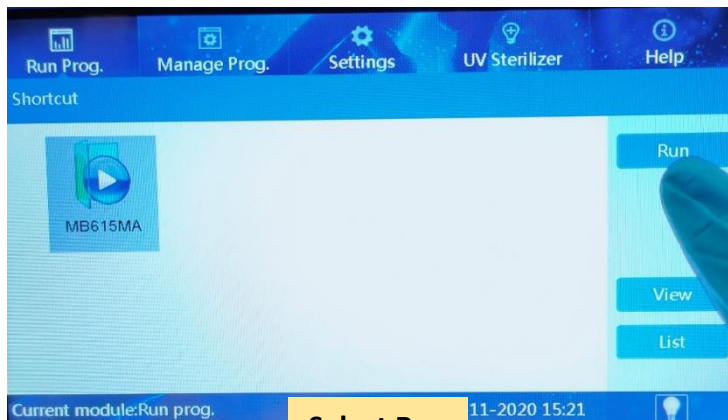




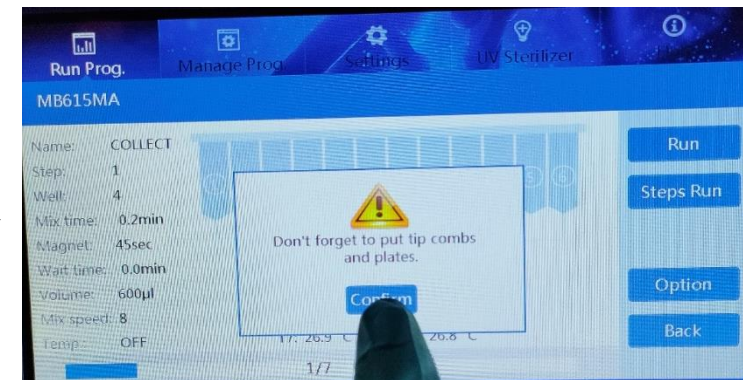
The InstaNX[®] Mag Series



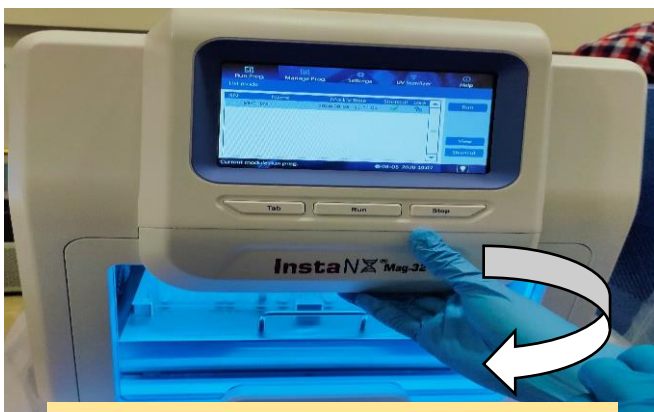
Initial Screen



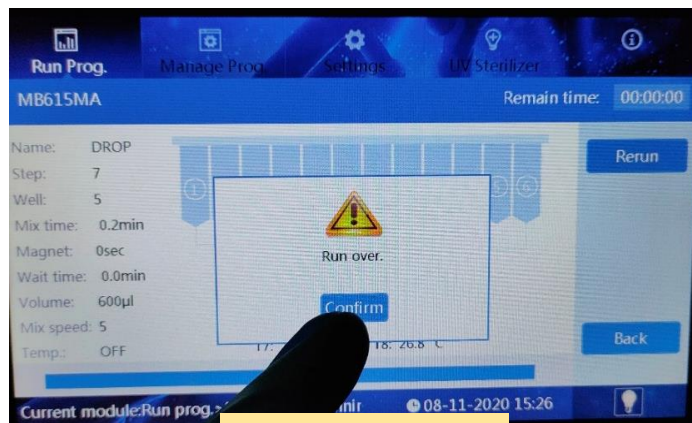
Select Run



Click on Confirm after checking the position of Magnetic rods tip



Open the door of the Insta NX[®] Mag32.



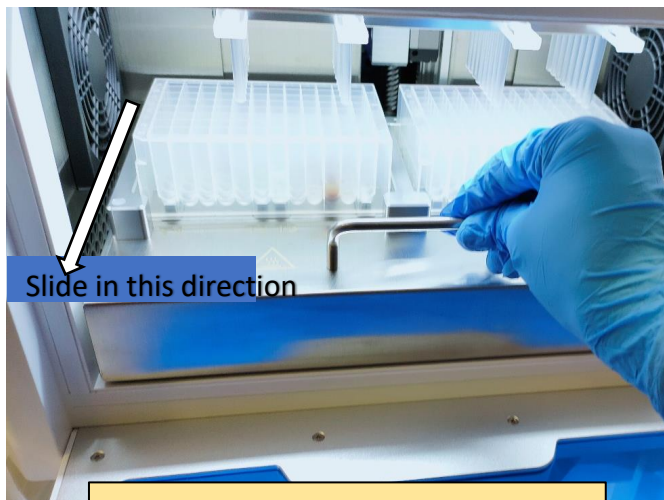
Program completed



Wait for the program to finish



The InstaNX[®] Mag Series



Slide in this direction

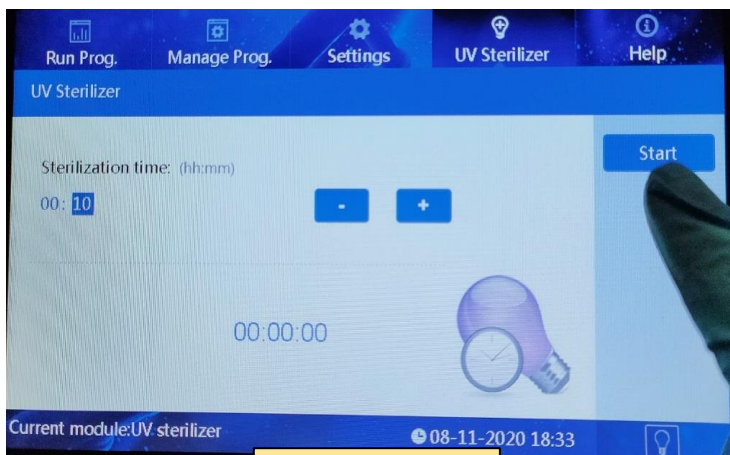
Slide the tray in outward direction



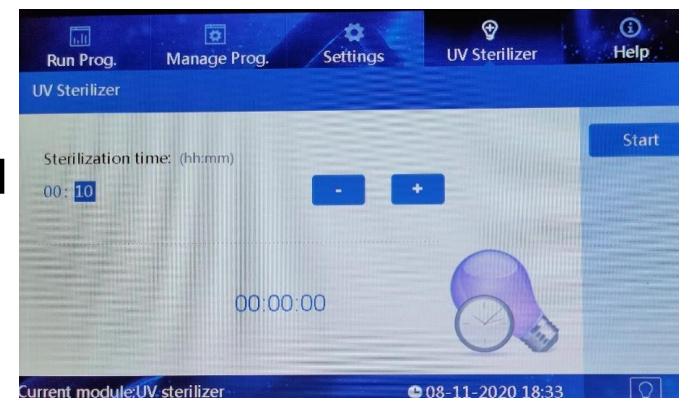
Lift the 96 Deep Well Plates



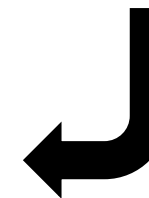
Transfer the eluate to a new collection tube and proceed with downstream application



Select Start.



Select UV Sterilizer and enter sterilization time.












Pre Filled Plates for InstaNX® Mag Series

- ❑ MB615-MPF32200 -10nos
- ❑ MB615-MPF9611-5nos-super 11
- ❑ MB615-MPF3211 -10nos-super 11





Why use Pre-Filled Plates ?

-  ✓ Ready to use, Pipetting- free
-  ✓ Reduces Pre Processing Time
-  ✓ Improves Lab Output
-  ✓ Beneficial for Labs with No Technical Expertise
-  ✓ 1 year Shelf Life
-  ✓ Store at Room Temperature
-  ✓ No additional accessories/ plasticware needed





Quick & Easy Operation - Switch to Pre-Filled Plates



Ready

Set

Go.....



Conquering the Competition

HiMedia develops More Effective Extraction Technique compared to Thermo
Pre-filled Plates Plates Eliminating Manual Pipetting **MB615MPF-T1**

Thermo

Manual Set Up



HiMedia

Pre- filled Ready to use



HIMEDIA

FOR LIFE IS PRECIOUS



Premium Grade Barrier Tips

In stock in Germany



Labelect 10 µl Filter Tips	10 µl
Labelect 100 µl Filter Tips	100 µl
Labelect 200 µl Filter Tips	200 µl
Labelect 200 µl Long Filter Tips	200 µl
Labelect 1000 µl Filter Tips	1000 µl
Labelect 1000 µl Long Filter Tips	1000 µl



HiGenoMB's CE/IVD Certified Start-to-End Molecular Detection Solution for COVID-19



STEP 1

- InstaNX® - 12well
- InstaNX® Mag32
- InstaNX® Mag96



STEP 2

- Real time PCR Kit
- (Minimal Technical Expertise)



STEP 3

- Real Time PCR Instrument
- Insta Q96® 6.0- 6 channel
- Insta Q96® Plus- 5 channel

Thank you !
Stay Safe, Stay Sanitized !!