

COMPLETE PRODUCT MANUAL FOR COVID-19 MOLECULAR TESTING

Steps for Molecular Detection of COVID-19



STEP #1 Sample Collection



Dry Swab (MBT189A)

- Swab for Nasal and Oral COVID Sample collection
- No transport medium involved
- Allows sample transport at room temperature (15°C - 25°C)



Salivol™ - Multipurpose Container (LA1092)

- Device for collection of saliva sample
- Convenient to collect
- Leakproof device, easy to transport

Patented

STEP #2

Viral RNA Extraction - Manual

HiPurA[®] Viral RNA Purification Kit (MB615)

- For sensitive and effective viral RNA purification from COVID samples
- Silica membrane column based centrifugation method
- Ready to use kit provided with all necessary reagents and plasticware



CDSCO, ICMR & CE - IVD Approved



HiPurA[®] Viral RNA Purification Kit [Magnetic Bead Based] (MB615M)

- For sensitive and effective viral RNA purification from COVID samples
- For use in Magnetic Bead based manual and automated extractions
- Ready to use kit provided with all necessary reagents and plasticware

RNase Kil™ (ML162)

- Used for removal of RNase contamination from surfaces and surroundings
- Increases and improves yield and quality of viral RNA



STEP #2

Viral RNA Extraction - Automated (Membrane Based)

InstaNX® Automated DNA/RNA Extraction System (LA1056)

- Can process minimum 1 and maximum 12 samples
- Fully automated nucleic acid extraction system
- Innovative super S membrane based technology
- Pure, consistent yield
- No cross contamination, self sterilizable (inbuilt UV light)
- No carry over contamination - single use and "discard-in-strip" format cartridges



STEP #2

Viral RNA Extraction - Automated (Magnetic Bead Based)

Insta NX® Mag32 (LA1096)

- Automated Magnetic bead based Nucleic Acid Extraction System
- Can process 1 to 32 samples
- Sample processing time for 32 samples : 11 mins
- Inbuilt UV lamp for Sterilization



CE - IVD Approved



Automated InstaNX® Viral RNA Extraction Kit (MBIN013)

- Pre filled sealed and sterile cartridges containing extraction buffers and enzymes

Insta NX® Mag96 (LA1097)

- Automated Extraction System for High throughput Sample Processing
- Can process 1 to 96 samples
- Processes 96 samples in 11 mins
- Inbuilt UV lamp for Sterilization



INTRODUCING

**Insta NX® Mag32 Pro (LA1121)
IMPROVED SENSITIVITY AND SPECIFICITY**



Insta NX® Mag16 (LA1118)

- Portable automated Nucleic Acid Extraction System
- Light in weight; processes 1 to 16 samples
- Pre-filled cartridges for individual samples
- Zero reagent wastage

96 samples processed in **11 mins ONLY!**

HiPurA® Super 11 Pre-filled Plates for Insta NX® Mag96 (MB615MPF9611)



HiPurA® Super 11 Pre-filled Plates for Insta NX® Mag32 (MB615MPF3211)



Pre filled Plates for InstaNX® Mag32 & Mag96

HiPurA® Pre-filled Plates for InstaNX® Mag32 (MB615MPF32200)

HiPurA® Pre-filled Plates for InstaNX® Mag96 (MB615MPF96200)



Peel-out and Use Directly



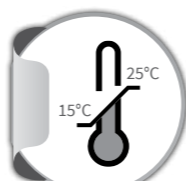
Ready-to-use



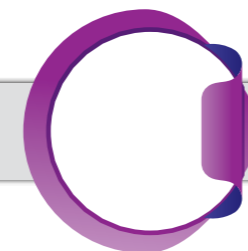
Time Saving



Shelf Life



Room Temp. Storage



Pre-filled Plates for InstaNX® Mag16

HiPurA® Pre-filled Plates for Viral RNA Extraction (MB615MPF1611)

- Pre-filled and sealed plates for Viral RNA Extraction
- No additional consumables/reagents needed
- Stable at Room Temperature (15°C - 25°C)



HiPurA® Pre-filled Cartridges for Viral RNA Extraction (MB615PC1611)

- Ready-to-use cartridges for Viral RNA Extraction
- Individual pre-filled cartridges for each sample
- 1 to 16 cartridges can be processed in single run

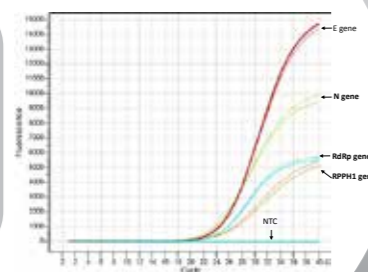


STEP #3

Amplification using RT PCR

Insta Q96® Real-time PCR System (LA1073, LA1074)

- 5 and 6 gene multiplexing
- Bottom based photo multiplier tube (PMT) detection
- Open system [compatible with kits and reagents of all other machines]
- Normalization with ROX dye not required



4 genes in 1

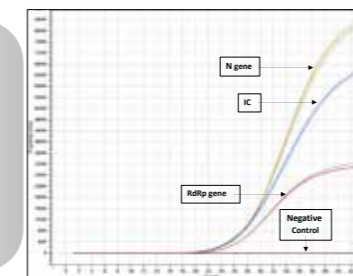
HiPCR® Coronavirus [COVID-19] Multiplex Probe PCR Kit (MBPCR243)

- 4 gene multiplex RT PCR kit
- Detects N gene, E gene, RdRp gene and internal control
- Ready to use
- Sensitive, Accurate, Reliable
- Compatible with all RT PCR Instruments



Hi-PCR® COVID-19 Triplex Probe PCR Kit (MBPCR255)

- 3 plex RTPCR Kit
- N gene, RdRp gene and Internal Control
- Contains ready-to-use reagents



3 genes in 1

Hi-PCR® COVID-19 Detection Kit (Dry Swab Method) (MBT189)

- Extraction free RTPCR Kit
- Kit includes RTPCR reagents, sample preprocessing buffers with tube and swab
- Saves time
- Highly sensitive and accurate



Extraction Free

STEP #3

Amplification using RT PCR



Hi-Quanti One Step Probe Based RT PCR Kit (MBT181)

- Hi-Quanti One Step Probe Based RT-PCR Kit (MBT181)
- Taq Polymerase Enzyme (MBT060)
- M-MULV Reverse Transcriptase (MBT072)
- dNTP Mix (MBT059)



Hi-Refri24™ (LA1114)

- Bench-top refrigerated laboratory centrifuge
- Max speed : up to 15,000 rpm (21,400 x g)
- Can accommodate 1.5/2.0 ml tubes and PCR tubes

Instruments for Molecular Biology Workflow

HiPer® TEMP Shaker (LA1098)

- The HiPer® TEMP Shaker is an ideal instrument for intensive mixing of samples in regulated temperature conditions.
- Different adaptors for Centrifuge tubes, PCR tubes and microtiter plates



Wee Dry™ (LA1115)

- Wee Dry™ is a dry heating block
- Temperature Range : RT+5°C ~ 100°C
- Capacity : 15 x 2ml tubes
- Heating Time : ≤15min



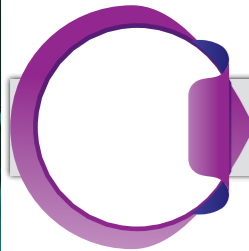
TabSpin™ TableTop MicroCentrifuge (LA1090)

- Capacity : 12 x 1.5/2.0 ml tubes
- Separate short-spin key
- Autoclavable rotor (121°C, 20 mins)
- Timer can be set up to 99 mins

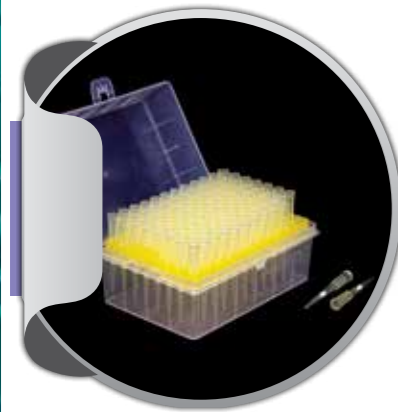


HiPurA® Sanitizer (LA1116)

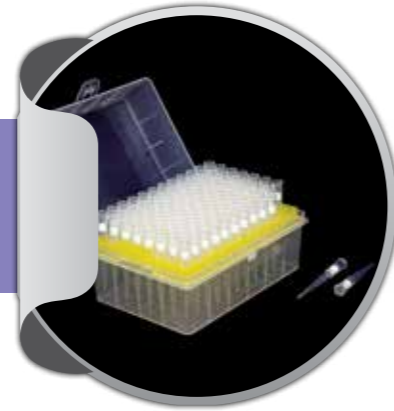
- A compact and perfect model for complete disinfection of the objects placed in it
- Kills viruses and bacteria effectively in 3 mins
- Auto cut-off for safety purpose
- Used to disinfect books, pens, mobiles, laptop, ornaments, etc.



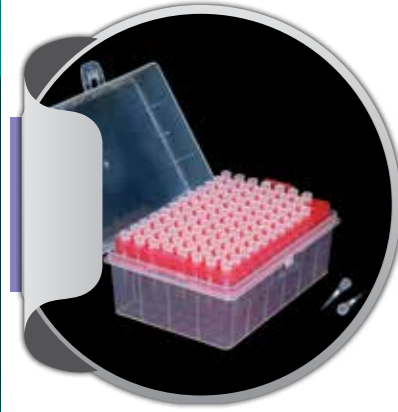
Tips and Tip Boxes



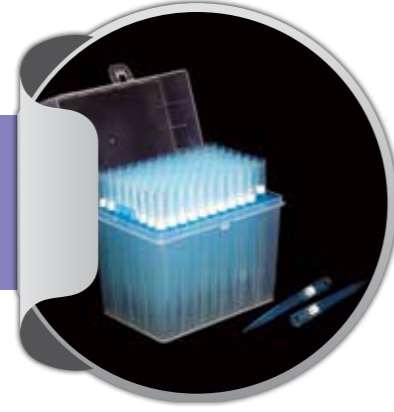
Barrier Tips (LA750A)
Max. Capacity : 20 µL



Barrier Tips (LA751A)
Max. Capacity : 200 µL



Barrier Tips (LA749A)
Max. Capacity : 10 µL



Barrier Tips (LA859A)
Max. Capacity : 1000 µL



Consumables & Miscellaneous

BARRIER TIPS	
Barrier Tips, Maximum Capacity : 10 µl	LA749, LA749A
Barrier Tips, Maximum Capacity : 20 µl	LA750, LA750A
Barrier Tips, Maximum Capacity : 200 µl	LA751, LA751A
Barrier Tips, Maximum Capacity : 1000 µl	LA859, LA859A

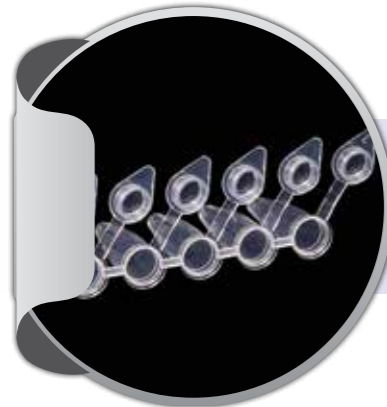


Molecular Biology Lab Set Up Miscellaneous Requirements - Consumables

MICROPIPETTES	
µPet Micropipette - 10 Capacity : 0.5 to 10 µl	LA955
µPet Micropipette - 50 Capacity : 2 to 20 µl	LA956
µPet Micropipette - 100 Capacity : 5 to 50 µl	LA957
µPet Micropipette - Capacity : 10 to 100 µl	LA958

MICROPIPETTES	
Varivol II Micropipette - 10 Capacity : 0.5 to 10 µl	LA611
Varivol II Micropipette - 50 Capacity : 5 to 50 µl	LA612
Varivol II Micropipette - 100 Capacity : 10 to 100 µl	LA615
Varivol II Micropipette - 1000 Capacity : 100 to 1000 µl	LA616

PCR Blocks, Plates and Sealing Films



PCR Blocks (PR23)



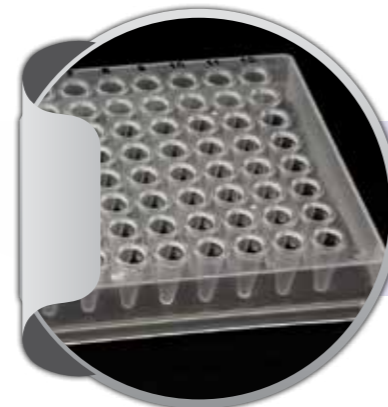
PCR Blocks (PR3)



Optical Sealing Film
96 Well PCR Plate
(PR18)



PCR Blocks (PR22)



PCR Blocks (PR2)



PCR Blocks (PR19)

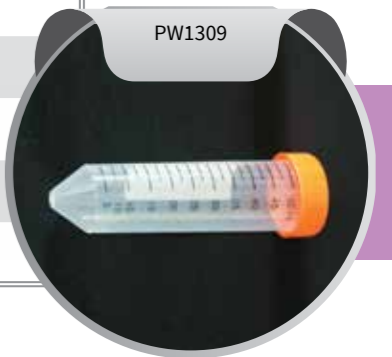
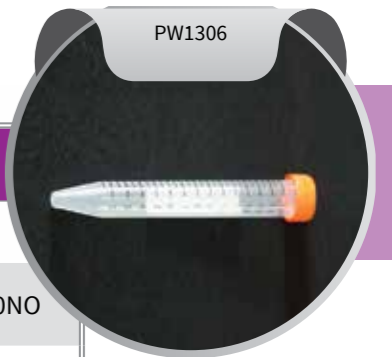


PCR Blocks (PR21)

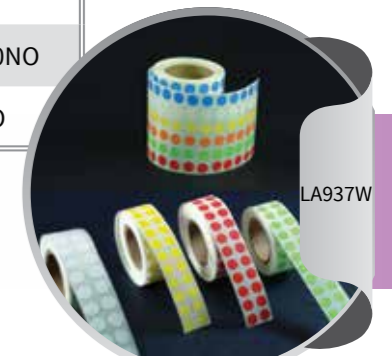
Consumables & Miscellaneous

CENTRIFUGE TUBES AND PCR TUBES

8-strip Tubes and Optically Clear Flat Caps for PCR	PR17-1x200NO
PCR Tubes. Thin Walled DNA / RNase Free, Autoclavable, Flat Lid Volume 0.2 ml	PW1255-1x1000NO
Screw Cap Tubes with "O" Ring; Clear, Conical Bottom, Self Standing, Autoclavable Capacity : 2.0 ml	PW 1377-1x1000NO
Micro Centrifuge Tube - B, Autoclavable Capacity : 1.5 ml	PW146-1x500NO
Centrifuge Tube, 15 ml, Sterile, Autoclavable, DNase / RNase Free	PW1306N-100x1NO
Centrifuge Tube, 50 ml, Sterile, Autoclavable, DNase / RNase Free	PW1309N-100x1NO
PCR Blocks, Full-skirt	PR2-1x25NO
PCR Blocks, Semi-skirt	PR3-1x25NO
PCR Blocks, Non-skirt	PR19-1x25NO
Optical Sealing Film 96 Well PCR Plate	PR18-1x100NO
Polypropylene Sealing Film	PR21-1x100NO



HiDispo™ Bag-7	PW057-250NO
Freeze Tag, White Dots, Diameter 9.5 mm, 1000 labels / pack	LA937W-1x1000NO
Freezing Boxes, Autoclavable 81-Place (9x9)	CG295-1x5NO
Freeze Tag, White Label, Size : 25x13 mm, 1000 labels / pack	LA938W-1x1000NO
Bluple Nitrile, Examination Gloves, Medium Size	LA886-10x50NO



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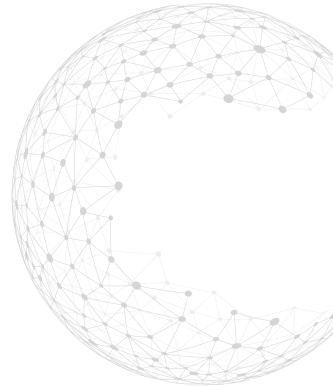
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