Automated Nucleic Acid Extractor

InstaNX® Mag-16 Plus

HIMEDIA
HiGenoMB®
Unzipping Genes

CE IVD

ANVISA Approved

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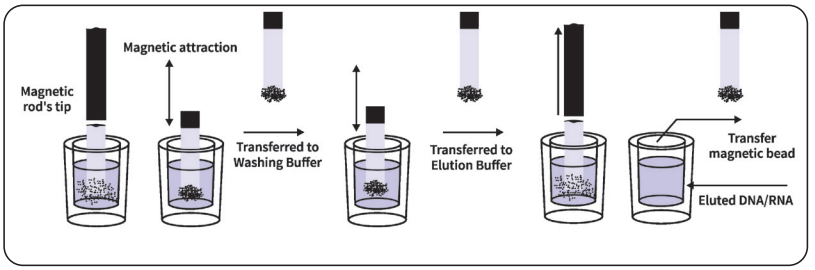
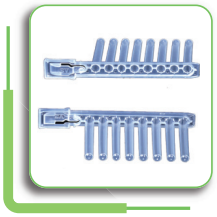
HiGenoMB
Unzipping Genes

Principle

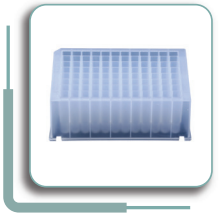


Accessories

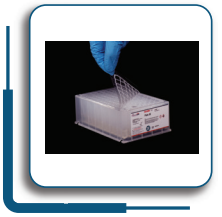

Single Pre-filled Sample Cartridge


Magnetic Rod's Tip LA1118B


Cartridge Holder LA1118CH


96 DeepWell Plate LA1096B


16 well Magnetic Pad - LA1107


Pre-filled plates

Specifications

Product Name	Insta NX® Mag16Plus
Product Code	MBLA018
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 & 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
Max. input power	DC24V, 160W
Dimension W X D X H	208 x 258 x 315 mm
Weight	8.5 Kg
Certification	CE, IVD, ANVISA

Features


4.3" Touch Screen

UV Sterilization

Process sample Capacity


Easy to move


Fast Extraction

Easy to Use

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Literature Code : TL866-01/MB/ Insta NX Mag16 Plus/0324

Automated Nucleic Acid Extractor

InstaNX® Mag24

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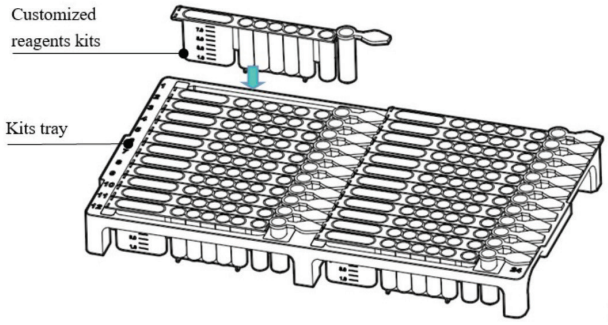
Description

- **Insta NX® Mag24** Automated Nucleic Acid Extractor is a modern bench top magnetic bead based system for DNA and RNA purification from a wide range of samples.
- With built-in magnetic rods to transfer particles through the entire process of purification starting from binding, mixing and washing to elution, it reduces manual intervention to a bare minimum.
- Especially suitable for **cfDNA extraction**, nucleic acid sample library construction, blood nucleic acid screening, and nucleic acid hypersensitivity detection.

Setup



Specifications

Product Name	Insta NX® Mag24
Product Code	MBLA020
Sample Capacity	**1~24**
Process volume	**50~10000 µL/50~5000 µL**
Working principle	**Magnetic beads-based method**
Consumable	5 mL tube strips + magnetic rod's tip/10 mL tube strips + magnetic rod's tip
Magnetic Rod gauss	4900 gauss
Purification accuracy	100 copy sample positive rate>95 %
Stability	CV<5 %
Collection efficiency	>95 %
Lysis temperature	Room temperature to 120°C
Elution temperature	Room temperature to 120°C
Operation interface	**7-inch touch screen, 2 shortcut buttons**
Sterilization	**UV Light**
Internal program	Preset 8 programs, max store 100 programs
Protocol management	Create, edit, delete, protocol mode
Extension interface	4 standard USB port, Ethernet port, WiFi, built-in SD card
Max. input power	100-240V, 50-60Hz, 450W
Dimension	400×520×450 mm
Weight	30 kg
Certification	CE-IVD, ANVISA Approved

Features

UV Sterilization

Process sample Capacity

Fast Extraction

Easy to Use

7" Touchscreen

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Literature Code : TL868-01/Insta NX® Mag24 Leaflet/0524

Automated Nucleic Acid Extractor

InstaNX® Mag32Plus

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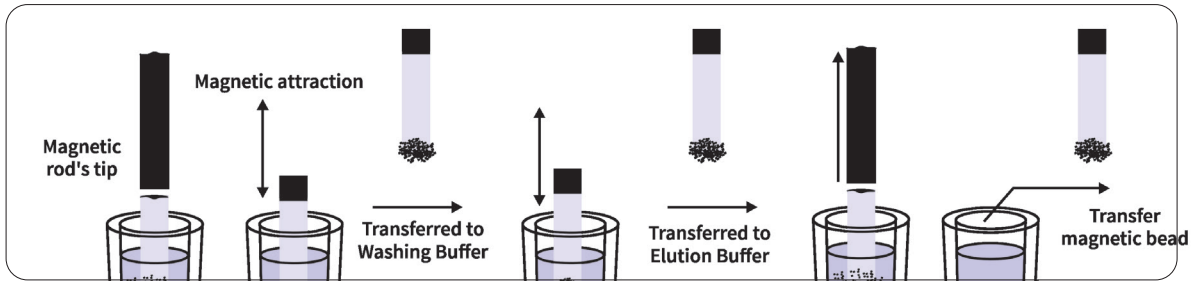
HiGenoMB® Unzipping Genes

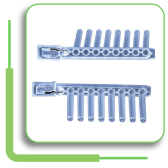
HiGenoMB
Unzipping Genes

Principle

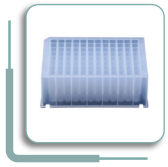


Accessories

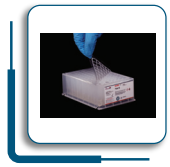

Single Pre-filled Sample Cartridge


Magnetic Rod's Tip LA1118B


Cartridge Holder LA1118CH


96 DeepWell Plate LA1096B


16 well Magnetic Pad - LA1107


Pre-filled plates

Specifications

Product Name	Insta NX® Mag32^{Plus}
Product Code	MBLA019
Sample Capacity	**1~32**
Process volume	50 to 1000 µL
Sample volume Range	**25 to 800 µL**
Elution volume	25 to 100 µL
Working principle	**Magnetic beads-based method**
Consumable	96 Deep well plate + 8 well magnetic rod's tip
Magnetic Rod gauss	4200 gauss
Purification accuracy	100 copy sample positive rate>95 %
Stability	CV<5 %
Collection efficiency	>95 %
Lysis & Elution temperature	**Room temperature to 120°C**
Operation interface	7-inch touch screen, 2 shortcut buttons
Sterilization	**UV Light**
Internal program	Preset 8 programs, max store 100 programs
Protocol management	**Create, edit, delete, protocol mode**
Extension interface	2 standard USB port, Ethernet port, WiFi, built-in SD card
Max. input power	100-240V, 50-60Hz, 450W
Dimension	430×400×460 mm
Weight	28 kg

Features

UV Sterilization

Process sample Capacity


Fast Extraction

Easy to Use


7" Touchscreen

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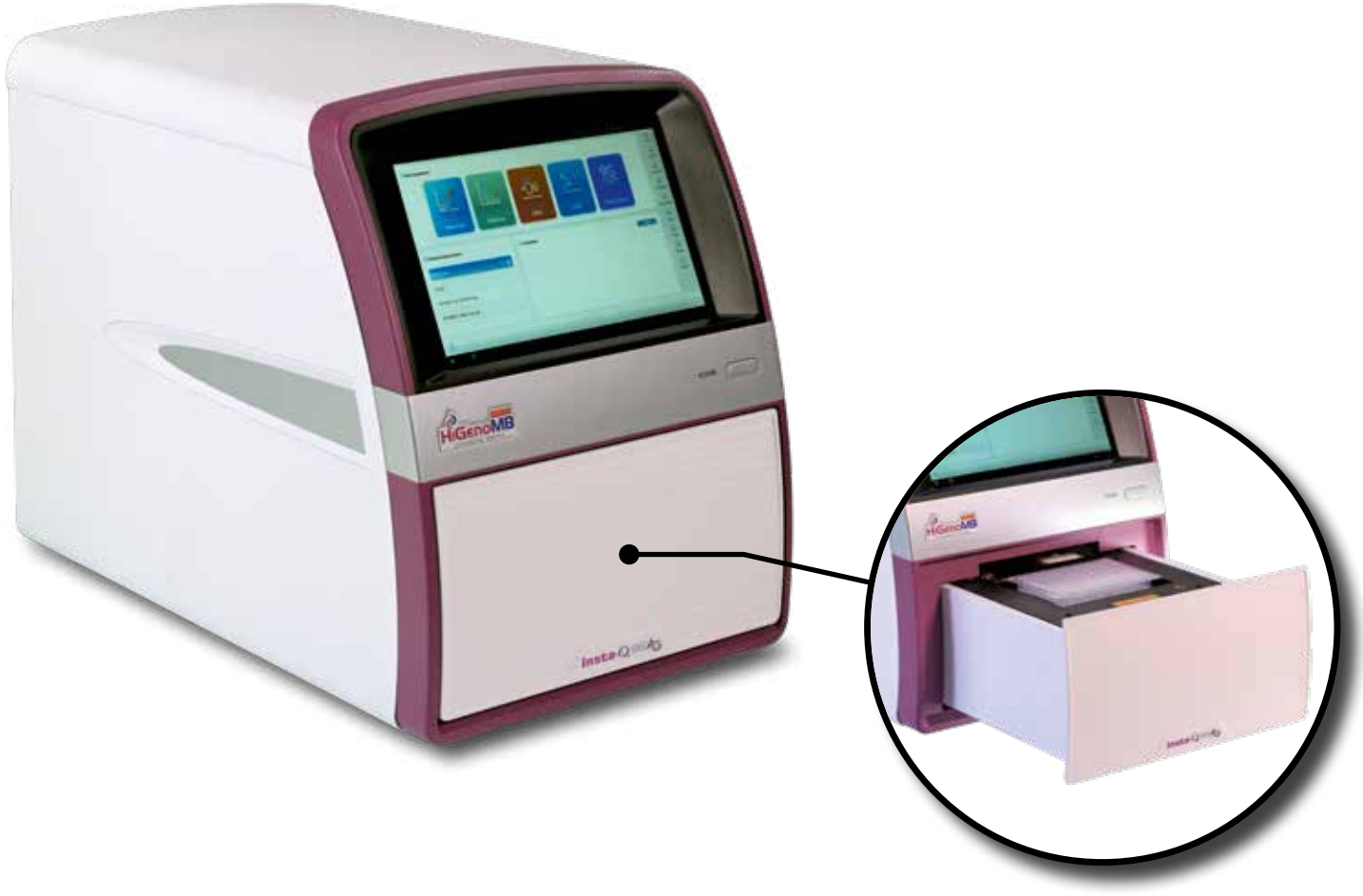
Literature Code : TL878-01/Insta NX® Mag32Plus Leaflet/0524

Touchscreen Real Time PCR

Insta-Q 96 AG



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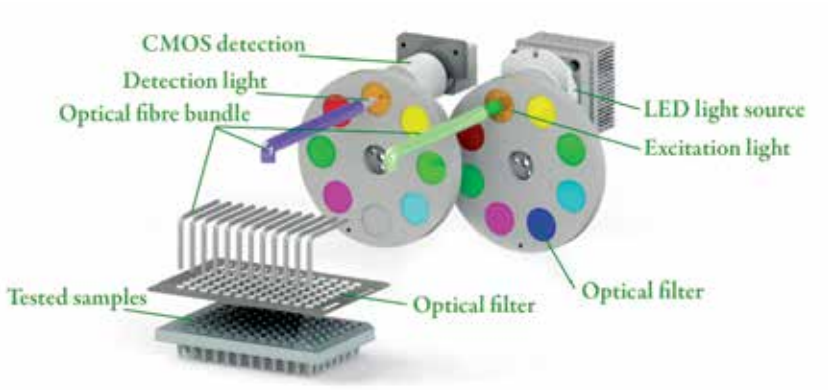
Product Description

Insta-Q96® AG is Inbuilt touch screen RTPCR system based on the excellent quality of the Insta-Q96® family, using the thermoelectric refrigeration technology, a light source and optical circuit design. The unique constant current power supply and 6-zone independent temperature control method ensure that the product is fast, accurate and stable in fluorescence quantitative analysis. The product adopts modular design, with a variety of configuration options, at the same time, the addition of temperature gradient, sample 4°C cryopreservation, automatic dehumidification and other functions, fully meet the scientific research and clinical medical needs.

Features

- 10” Inbuilt touchscreen for ease operation
- Top imaging photoelectric detection
- 6 Segment thermal cycling module
- Automatic pop-up sample bin
- Intelligent adjustable hot cover
- Easy to operate software system



Technical Specifications

Product Name	Insta-Q96® AG	Insta-Q96® AG 6.0
Product Code	MBLA027	MBLA028
Sample Capacity	96 well (0.2ml tubes, strips & plate)	
Detection Channel	5 channels	6 channels
Dyes	F1: FAM, SYBR Green I F2: VIC, HEX, TET, JOE F3: ROX, TEXAS -RED F4: Cy5, Quasar -670 F5: Cy5.5, Quasar -705	F1: FAM, SYBR Green I F2: VIC, HEX, TET, JOE F3: ROX, TEXAS -RED F4: Cy5, Quasar -670 F5: Cy5.5, Quasar -705 F6: Other
Operating Temp Range	4°C-100°C	
Maximum Block Ramp Rate	6.0°C/s	
Heating Rate	6°C/s	
Cooling Rate	5.5°C/s	
Hot Lid Temperature	105°C±5°C	
Temperature Control Accuracy	0.1°C	
Temperature Uniformity	±0.3°C	
Mode of Operation	Continuous operation	
Feature Function	• Absolute Quantification • Relative Quantification	• Gene Studies • HRM • SNP Analysis • Gradient Function
Input Power	100-240V~ 50Hz, 1000VA	
Overall Dimensions	490mm × 290mm × 391mm	
Weight	28kg	
Certification	CE, IVD	

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Literature Code : TL865-01/Insta Q96® AG Literature/0424

Prima-Flexi® Series

Swap Blocks, Not Machines

HIMEDIA®
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CE Approved

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HiGenoMB®
Unzipping Genes

Prima-Flexi® Series

HiGenoMB Unzipping Genes

Product Description

Prima Flexi® series is a cutting-edge laboratory instrument designed for versatility. With multiple interchangeable blocks and a high ramp rate, it ensures swift thermal cycling for diverse applications. Its intuitive large touchscreen and auto restart feature streamline experiment control, fostering seamless operation. Effortless block interchangeability empowers scientific exploration, offering unprecedented flexibility in research endeavors.

Features


Interchangeable Block Facility


Gradient Function


Quick Incubation


Auto Restart Facility


Secure System Access

Technical Specifications

Product Code	MBLA021	MBLA022	MBLA023	MBLA024
Product Name	Prima Flexi® 96	Prima Flexi® 96-2D	Prima Flexi® DUO	Prima Flexi® Trio
Sample Capacity	96 Well Block	96 Well Block	2x48 Well Block	3x32 Well Block
Peltier Number	6			
Block Material	Aluminum Alloy			
Temperature Range	0~105°C			
Heating Rate	6°C/ Sec	5°C/ Sec	6°C/ Sec	6°C/ Sec
Cooling Rate	5°C/ Sec	4°C/ Sec	5°C/ Sec	5°C/ Sec
Sample Ramp Rate	4-4.5°C / Sec			
Control Accuracy	≤±0.1°C			
Uniformity	≤±0.2°C			
Control Mode	Block, Tube			
Hot Lid Temperature	30~115°C			
Gradient Spread	Zone to Zone, 6 Zone	1 - 30°C	Zone to Zone, 3 Zone	1 - 30°C
Gradient Temp. Range	30~105°C			
Reaction Volume Range	10-100 µl			
Display Interface	10.1 inch Touch Screen			
Instrument Memory	20000 +(USB FLASH)			
Auto restart facility	Yes			
Temperature Time Increase / Decrease Progressively	Yes			
Pause Function	Yes			
Support for USB Mouse	Yes			
Support for Touch Screen	Yes			
Tm Calculator	Yes			
No of Steps & Cycles	40 steps & 200 cycles			
Ramping Rate Adjustable	0.1~6°C	0.1~5°C	0.1~6°C	0.1~5°C
Temp. Increment/Decrement	0.1~10.0°C			
Time Increment/Decrement	1 Sec ~ 600 Sec			
Connection	USB2.0, wifi			
Network Control	Yes			
Auto Data Protection	Yes			
Preloaded Protocols	Yes			
Input Voltage & Input Power	100~240VAC, 50~60Hz, 600 W			
Footprint (LxWxH)	426 x 280 x 256 mm			
Weight	11 kg			

Literature Code : TL867-01/Prima Flexi™ Series Flyer/0724

Scan To Watch Video

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Insta-Q Series

Real-Time PCR System

HiGenoMB Unzipping Genes

ANVISA & CE - IVD Approved

HIMEDIA For Life is Precious

Introduction

With a vision to redefine PCR based solutions, HiMedia Laboratories Pvt. Ltd. launched the Insta-Q Series Real-Time PCR Platform with its unique range of features making it an exclusive Real-Time PCR System in the market. Our **User-Friendly State of the Art** machines can measure amplification as it occurs, cycle by cycle, thus resulting in precise & accurate quantification.

The **Insta-Q Series of Real-Time PCR Systems** are a fully integrated quantitative PCR amplification, detection and data analysis platform. The latest design combines a thermal cycler, an advanced optical system with individual LED excitation source and an intuitive data analysis software. The **Gradient Feature** aids in easy assay optimization.

These robust machines are genuinely **Open Systems** – which enable the user to decide the choice of reagents and kits to be run. The machines come with **Factory Calibrated Filters**. Re-calibration is required only in case of major machine upgradations. A unique feature of the Insta-Q Series is the qPCR optics available in a more flexible format. To get accurate results, the **Robotic Arm Scans Individual Well** which **Eliminates** the use of Passive Reference Dye - **ROX dye**.

The software is equipped to export the raw data in multiple formats such as **Excel, Images, Text, Pdf** thus allowing results to be viewed in common programs.The system scans all filter regardless of the plate setup.

The sensitivity and specificity of the Insta-Q Series of instruments is impressive and will help the user to generate **Faster, Hassle-free and Reliable results** to achieve desired research goals.

Features

- Truly Open System [Compatible with Kits and Reagents of other companies].
- ROX independent Real-Time PCR system. Normalization with ROX dye not required.
- Customizable dye library to create new excitation/detection wavelength combinations in given range and hence future proof.
- User Friendly Software facilitates simple assay set up and data interpretation.
- Auto Gain intensity function for fluorescence adjustments.
- 12 different gradient temperatures (1°C to 36°C gradient range).
- Wireless connectivity.
- Factory calibrated filters, no need of calibration after new dye added or in future.
- The software incorporates advanced algorithms capable of accurately separating signals from different dyes in each well, reducing crosstalk and enabling precise detection for multiplex assays involving multiple fluorophores.

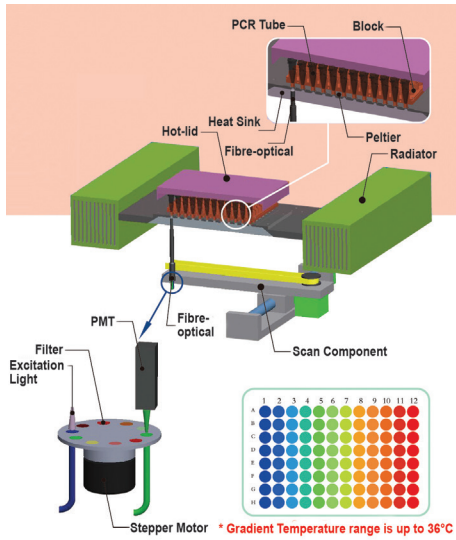
Dye Library

Channel Wavelength	Dyes
470nm – 525nm	FAM, SYBR, EvaGreen®
523nm – 564nm	HEX, JOE, TET, VIC, Cal Fluor® Gold 540 / Yakima Yellow
571nm – 612nm	ROX, TexRed, Cal Fluor® Red 610 / JUN
628nm – 692nm	CY5, Mustang Purple / Quasar 670 / Pulsar 650
678nm – 718nm	Cy5.5, Quasar 705
550nm – 585nm	TAMRA, NED, Cy3, ABY

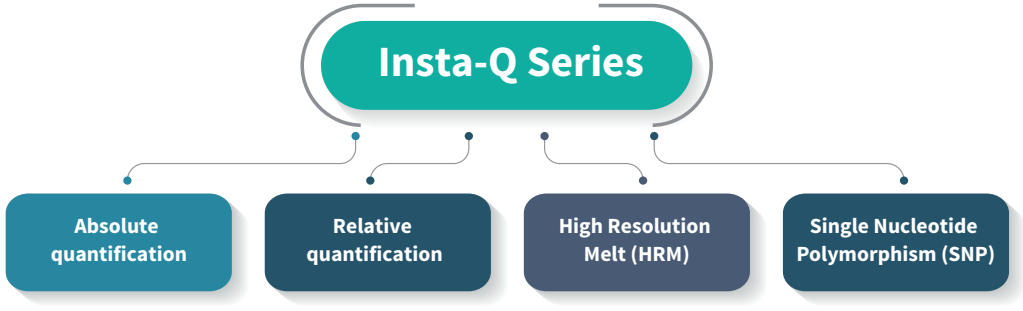
1. **Innovative 3D Hotlid Design and Technology**
2. **96 Wells High Throughput**
3. **Gradient facility**
4. **Well to well individual scanning**
5. **Optical fibre based Photo Multiplier Tube Technology for detection**

Working Principle of the Machine

- Ferrotec Peltier technology used for thermal cycling during PCR assay.
- LED based excitation source with advanced fibre optic transmission technology for Sensitive and Reliable photoelectric detection system.
- Photo Multiplier Tube (PMT) detects fluorescent emission.
- Stepper motor with robotic arm containing optical fibre used for individual well scanning.
- Scanning time period: 5.5 seconds for 96 wells.



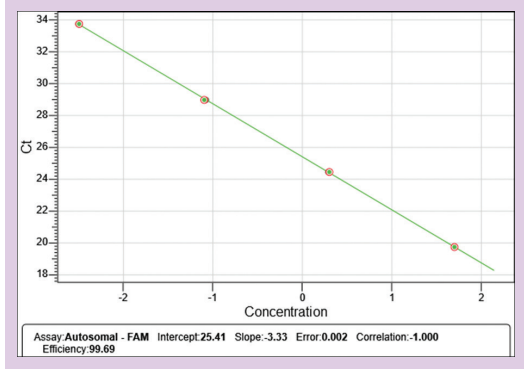
Analysis procedures supported by Insta-Q Series software



Absolute Quantification

- Absolute quantification is achieved by comparing the Ct values of the test samples to a standard curve.
- The result of the analysis is quantity of nucleic acid (copy number, unit mass) per given amount of sample (per cell, per ng of total RNA).
- Absolute quantitation uses serially diluted standards of known concentrations to generate a standard curve.
- Standard curve produces a linear relationship between Ct and initial amounts of total DNA or cDNA from RNA of the Gene of interest (GOI), allowing the determination of the concentration of unknowns based on their Ct values.
- The linearity is denoted by the R squared (r^2) value (r is Pearson Correlation Coefficient) and should be very close to 1 (> 0.985).
- The efficiency of both the standard curve and sample reactions should be between 90 and 110%.
- The instrument can also be used to quantify ready to load NGS libraries using standard SYBR based assays allowing for accurate library quantification and precise loading into Illumina sequencing machines.

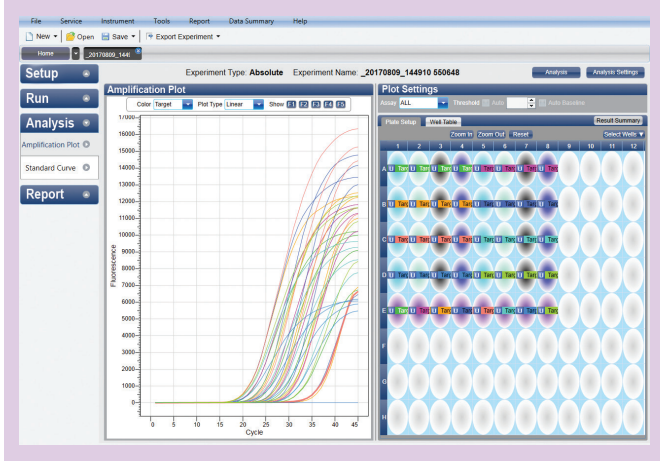
Standard Quantification Assay



Plotting a Standard Curve

- In absolute quantification, the quantity (e.g., copy number or unit mass) of the unknown sample is interpolated from a range of standards of known quantity.
- To construct a standard curve, a template with known concentration is required.
- Dilution of this template is then performed and these dilutions serve as the standards. The unknown test samples are assayed with the standards in the same experimental run.
- The standard curve constructed from the diluted standard template can then be used to determine the target quantity in the unknown sample by interpolation, similarly to using molecular size standards to determine the molecular size of an unknown DNA band on an agarose gel.
- Standard curve can be imported from previous run experiments. It can be imported only in standard curve assays. Hence standards need not be run every time.

Software Analysis Interface



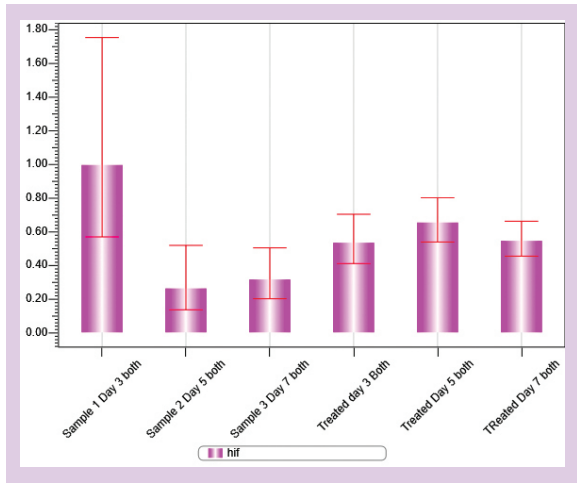
Relative Quantification

- Let's get the nomenclature settled.
  - The gene of interest whose expression is getting determined is the target gene.
  - The housekeeping gene whose expression is unregulated is called the reference gene.
  - The sample (or group of samples) being used as a control is the calibrator sample.
  - Finally, the sample (or group) that is being treated or tested for differences is the test sample.
  - The ratio of the target gene expression in the test sample over the calibrator sample is interchangeably called the expression fold change or relative gene expression.
- Amplification efficiency of the reaction is an important consideration when performing relative quantitation.
- Past methods of calculating gene expression have assumed the amplification efficiency of the reaction is ideal, or 1.
- Actual amplification efficiency values for a particular reaction can be established via a standard curve measurement during assay design, and multiple standard curves should be run to verify that this efficiency measurement is reproducible.
- Although absolute quantification can be useful in determining absolute quantities of target, the majority of scientific questions regarding gene expression can be accurately and reproducibly answered by measuring the relative concentration of the GOI in unknown samples.
- Differences in Ct value between an unknown sample and reference sample are expressed as fold- changes (i.e., up- or down- regulated) relative to the reference sample and thereby the results are expressed as a target/reference ratio.

Features

- Automated calculation of ΔCt and ΔΔCt values by software.
- Exact and final RQ values provided by software at the end of the assay.
- Easy and hassle free transfer of data to Excel or Word format on a Single Click.
- Option to import Standard curves run from other experiments in RQ assays as well.
- Normalization to multiple endogenous controls.

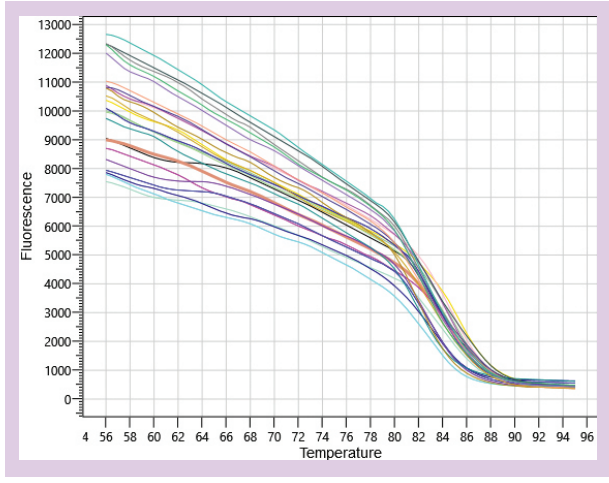
Relative Quantification



High-Resolution Melt Analysis

- The principle of HRM is the same as a Low-Resolution Melt curve, except that the temperature difference between each fluorescence reading is reduced.
- During a Low-Resolution Melt curve analysis, the temperature increases are typically in 0.5 °C steps, but for HRM this is reduced to 0.008 - 0.2 °C increments.
- This allows a much more detailed analysis of the melting behaviour.
- HRM sensitivity and reliability has been improved with the use of a variety of new dsDNA intercalating dyes viz., - LCGreen (R), SYTO9, EvaGreen (R), Chromofy and BEBO.

HRM data



Features

- HRM assays can be run using the same software. Saves the trouble of learning and procurring a new software.
- No external calibration required for running HRM assays.

- Cost effective compared to other genotyping technologies such as sequencing and TaqMan SNP typing.
- Fast and able to accurately genotype huge numbers of samples in rapid time.
- Fast and high-throughput analysis of post-PCR of genetic mutations or variance in nucleic acid sequences.
- With a good quality, HRM assay powerful genotyping can be performed by non-geneticists in any laboratory with access to an HRM capable Real-Time PCR machine.

HRM has renewed interest in the utility of DNA melting for a wide range of uses, including:

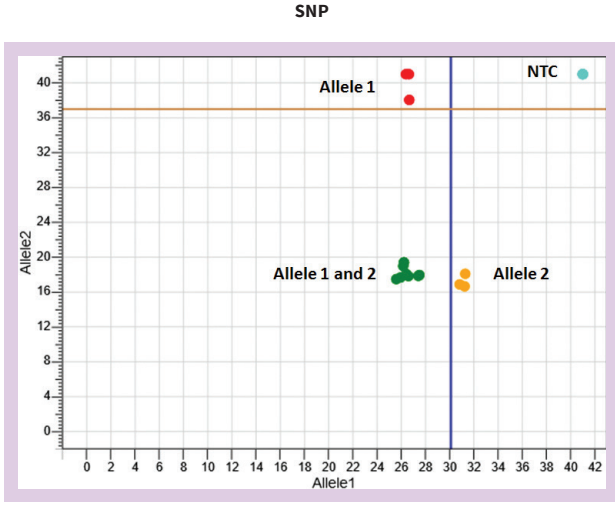
- Mutation discovery (gene scanning)
- Species identification
- Screening for loss of heterozygosity
- Somatic acquired mutation ratios
- DNA fingerprinting
- HLA compatibility typing
- SNP genotyping
- Association (case/control) studies
- Characterization of haplotype blocks
- Allelic prevalence in a population
- DNA methylation analysis
- Identification of candidate predisposition genes
- DNA mapping

Single Nucleotide Polymorphism (SNP)

- A Single Nucleotide Polymorphism or SNP is a DNA sequence variation occurring when a single nucleotide in the genome differs between members of a species or two allele of a gene.
- Probe based SNP Genotyping Assays provide a highly flexible technology for detection of polymorphisms within any genome.
- Probe Assays have a simple workflow and provide a quick way to generate genotyping data.

Features

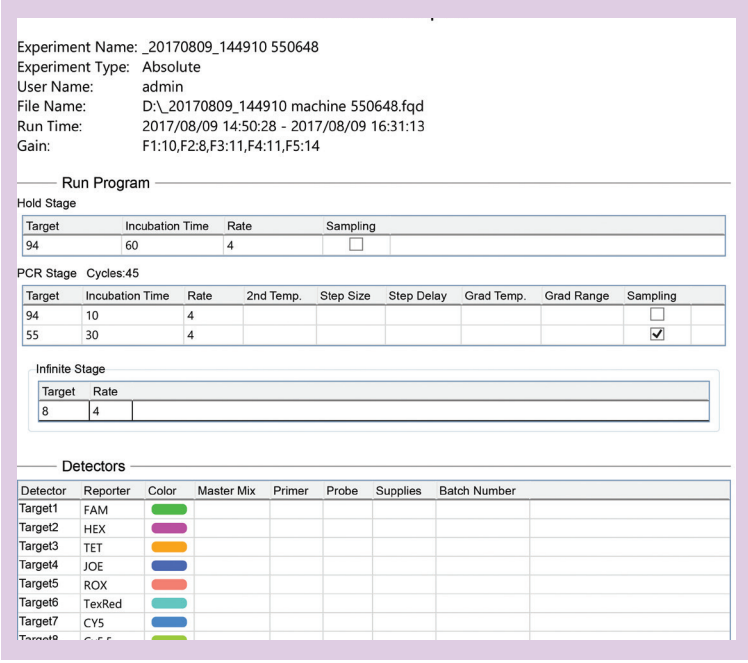
- Auto Call and Manual call options
- Easy and colour coded Scatter plot based on SNP assay analysis



Report Generation

- Generate automatic assay reports at the end of PCR run.
- Customize assay reports as per requirement using built in report editor
- All in one consolidated report for
  - Accurate & concised experimental details
  - Basic experiment information
  - Experiment process
  - Plate diagram
  - Amplification curve
  - Result table with Ct values

Consolidated Report / QC Report



Experiment Name: _20170809_144910 550648
Experiment Type: Absolute
User Name: admin
File Name: D:_20170809_144910 machine 550648.fqd
Run Time: 2017/08/09 14:50:28 - 2017/08/09 16:31:13
Gain: F1:10,F2:8,F3:11,F4:11,F5:14

Run Program

Hold Stage

Target	Incubation Time	Rate	Sampling
94	60	4	☐

PCR Stage Cycles:45

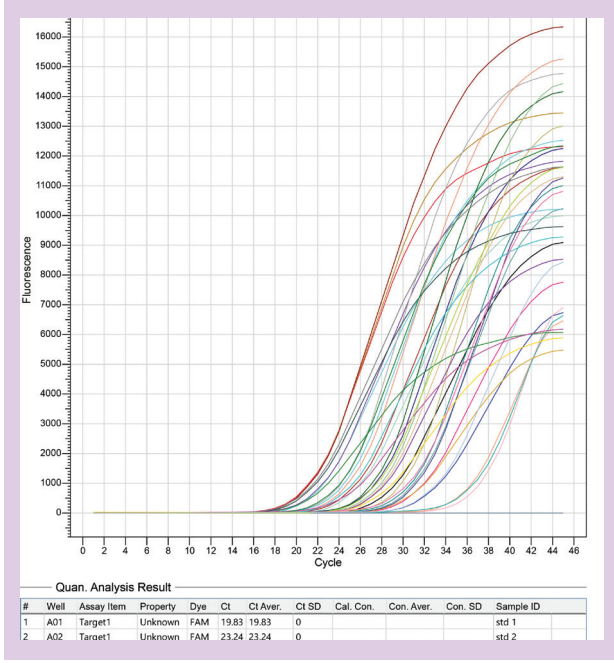
Target	Incubation Time	Rate	2nd Temp.	Step Size	Step Delay	Grad Temp.	Grad Range	Sampling
94	10	4						☐
55	30	4						☑

Infinite Stage

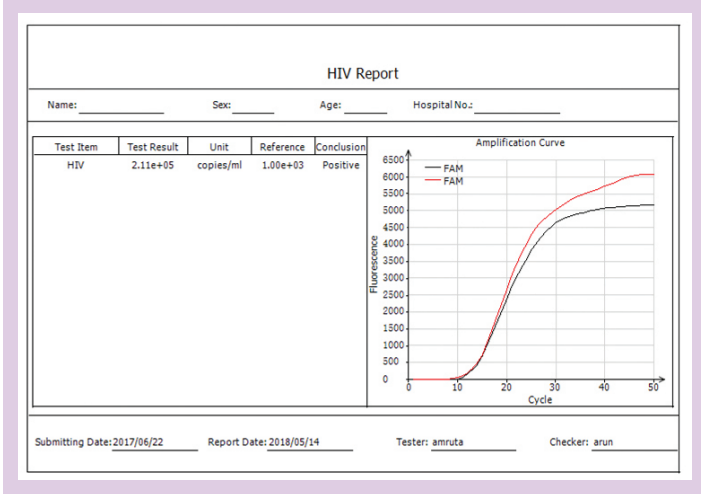
Target	Rate
8	4

Detectors

Detector	Reporter	Color	Master Mix	Primer	Probe	Supplies	Batch Number
Target1	FAM						
Target2	HEX						
Target3	TET						
Target4	JOE						
Target5	ROX						
Target6	TexRed						
Target7	CY5						



Report Template



HIV Report

Name: Sex: Age: Hospital No.:

Test Item	Test Result	Unit	Reference	Conclusion
HIV	2.11e+05	copies/ml	1.00e+03	Positive

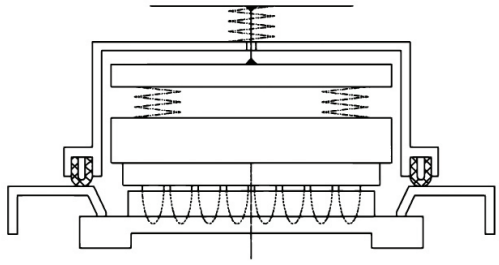
Amplification Curve
FAM
FAM
Fluorescence
Cycle

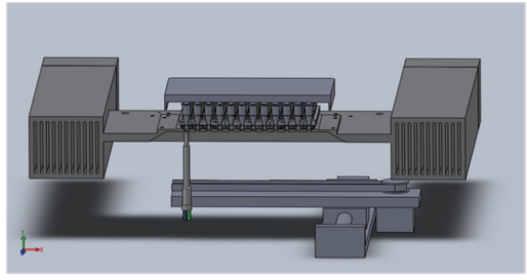
Submitting Date: 2017/06/22 Report Date: 2018/05/14 Tester: amruta Checker: arun

Product Hardware

Hot Lid Technology

- Innovative 3D Hot Lid. It consists of a Pressure Box which exerts uniform pressure on the plate module through 6 compression springs.
- Obtain perfect sealing and avoid sample evaporation or overloading due to lid imbalance.
- The aluminium plate fits snugly on the PCR plate with a certain amount of pressure. This airtight seal prevents the cold air and hot air connection on the module. Thus, the module bears dynamic temperature uniformity.



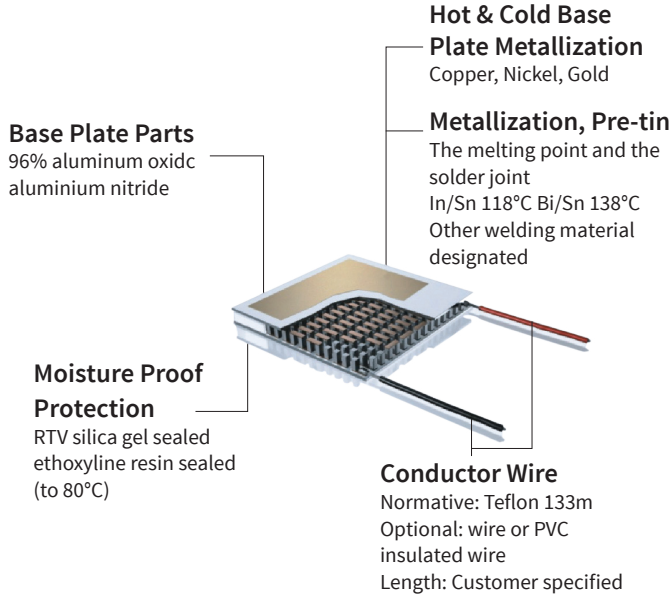


Unique PMT scanning system

Bottom scanning technology for well-to-well individual scanning.

- Precise optical path system combined with sensitive PMT system detects fluorescence activity accurate, sensitive & reliable.
- The probe has a long-life LED light source which requires no maintenance.

- The new model of Thermo Electric (TE) base plate (72 series) has a longer life span.
- The new adhesive technology used with the advanced semi-conductor substrate:
  i. Improves the performance of the TE base plate under highly humid conditions.
  ii. Greatly improves the life span of the TE base plate

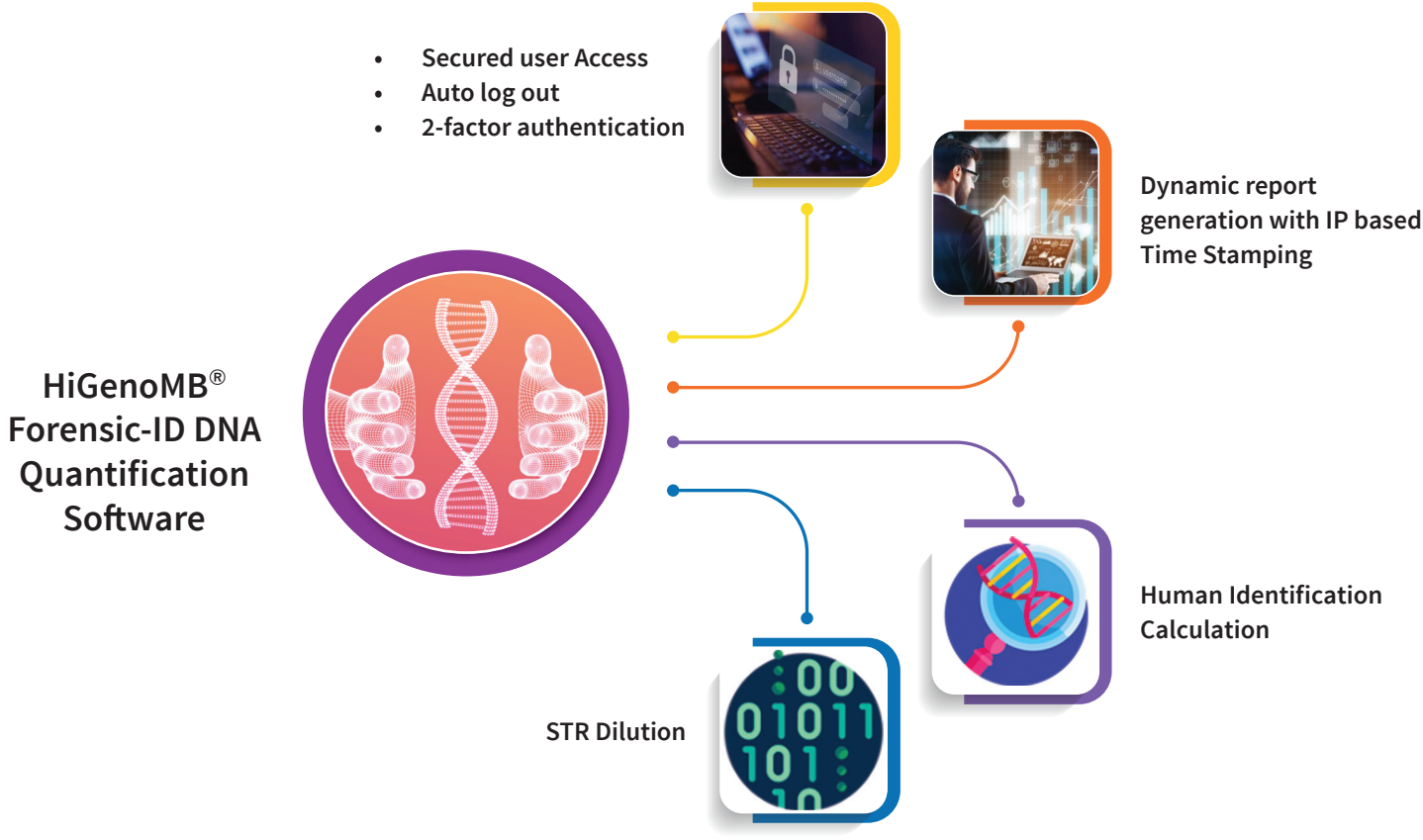


HiGenoMB® Forensic-ID DNA Quantification Software

HiMedia's HiGenoMB® Forensic-ID DNA Quantification Software is a user friendly, Web-Based application developed specifically to assist forensic experts who work on Human Identification (HID). **HiMedia's HiGenoMB® Forensic-ID DNA Quantification Software** is Novel and First open software developed and designed for use with **Insta-Q96® 6.0 (LA1074)**. The software supports all commercially available Human DNA Quantification Kits.

Features

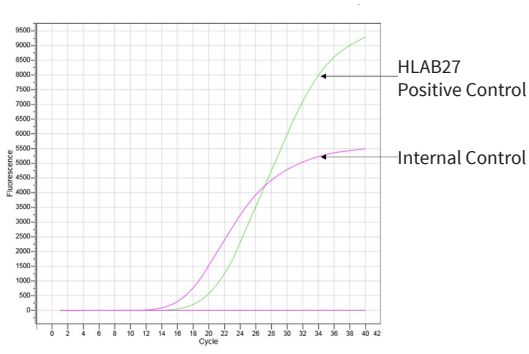
- The **HiMedia's HiGenoMB® Forensic-ID DNA Quantification Software** is designed to perform Real-Time analysis without any data alteration.
- Based on the kit processed in **Insta-Q96® 6.0 (LA1074)** our software automatically gives information about the **Quantity of DNA** and calculates the **Degradation Index (Quality of the DNA), Male:Female Mixtures or Ratio, Sample Inhibition** with **IPC Shift** and **other parameters**.
- The **HiMedia's HiGenoMB® Forensic-ID DNA Quantification Software** also helps to prepare a dilution series to setup various downstream STR experiments.
- The final values are presented using Dynamic Report Generation Algorithm in non-editable reporting format (.pdf) with IP based Time Stamping.
- The software has Secure User Access, which is encrypted using advance cryptography with Auto Logout Facility.



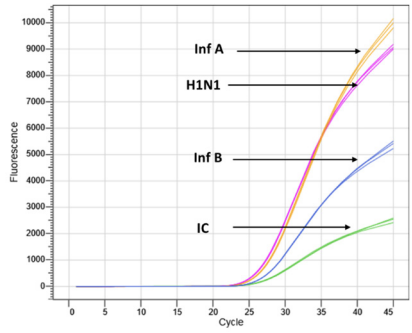
HiGenoMB® Forensic-ID DNA Quantification Software	MBES01-1LC	1lc	On request

Clinical Diagnostics

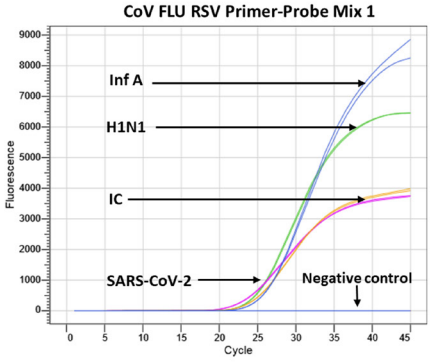
Hi-PCR® HLA-B27 Probe PCR Kit - MBPCR202

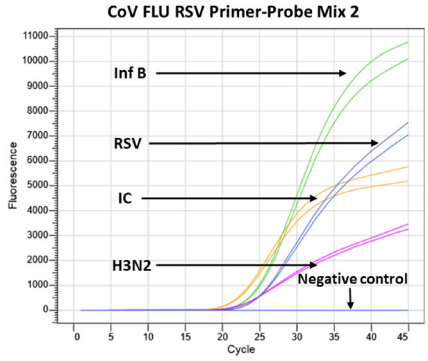


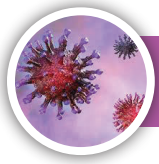
Hi-PCR® Influenza Multiplex Probe PCR Kit - MBPCR263



Hi-PCR® COVID FLU RSV Multiplex Probe PCR Kit - MBPCR270

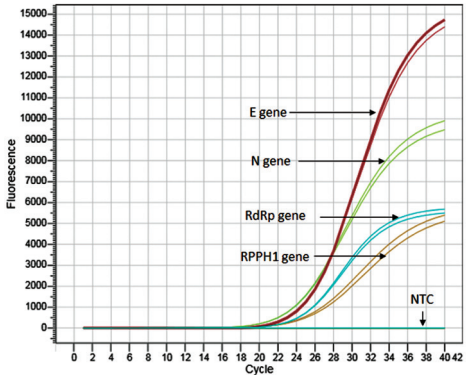






COVID-19 Diagnostics

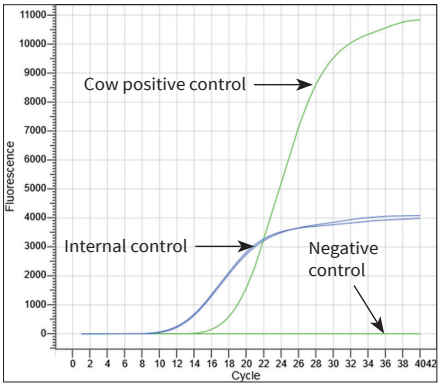
Hi-PCR® Coronavirus (COVID-19) Multiplex Probe PCR kit - MBPCR243



Targets	Average Ct values
N gene	23.76
RPPH1 gene	27.18
E gene	24.35
RdRp gene	25.89

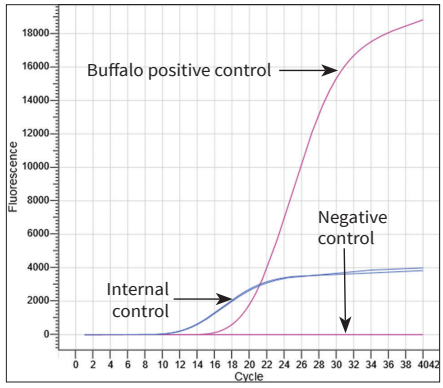
Meat Adulteration Identification

Hi-PCR® Cow Probe PCR Kit - MBPCR139



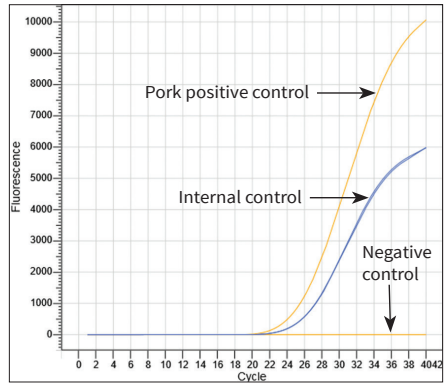
Sample	Ct value
Cow positive control	19.54
Internal control	13.44
Negative control	N/A

Hi-PCR® Buffalo Probe PCR Kit - MBPCR138



Sample	Ct value
Buffalo positive control	20.41
Internal control	13.62
Negative control	N/A

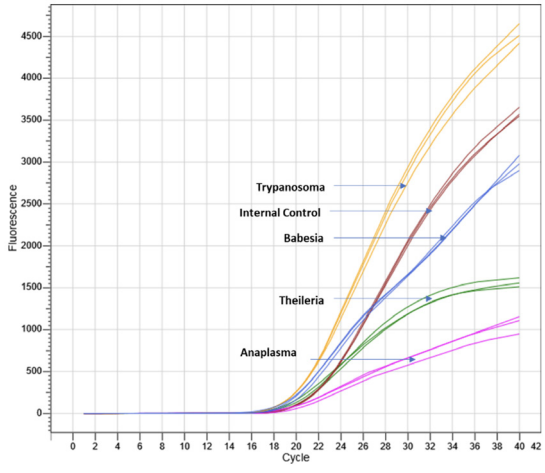
Hi-PCR® Pork Probe PCR Kit - MBPCR136



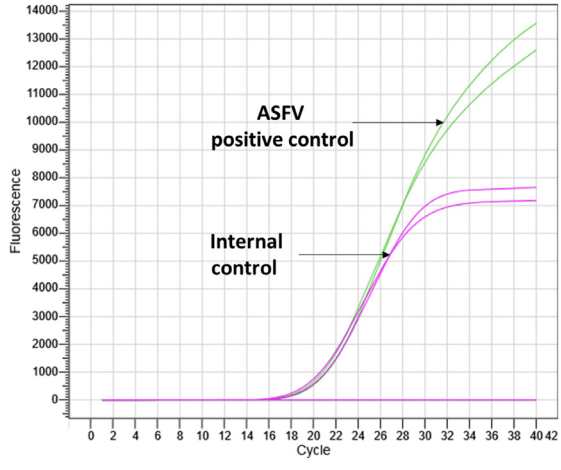
Sample	Ct value
Pork positive control	25.63
Internal control	25.88
Negative control	N/A

Veterinary Diagnostics

Hi-PCR® Protozoan Parasite Multiplex Probe PCR Kit - MBPCR252

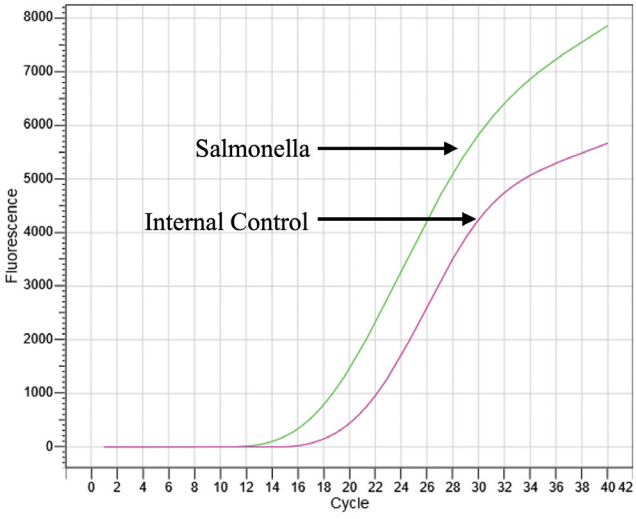


Hi-PCR® African Swine Fever Virus (ASFV) Probe PCR Kit - MBPCR256



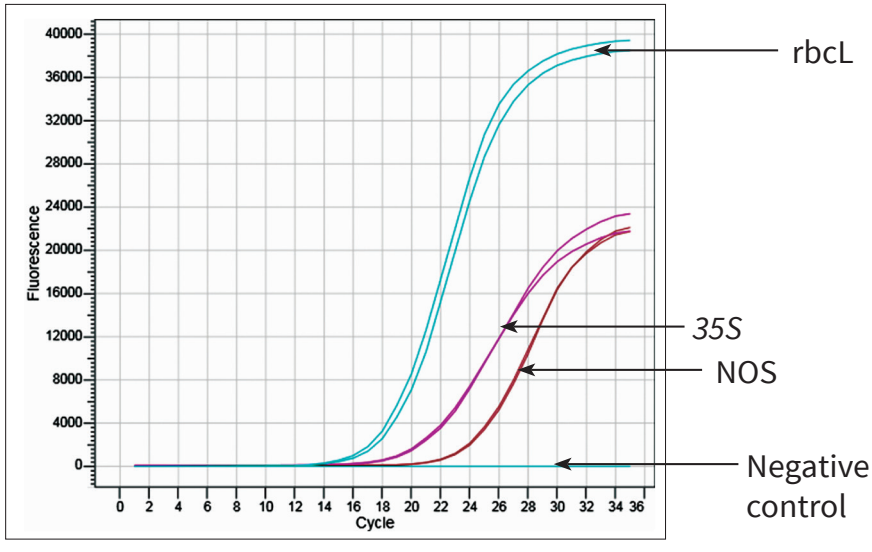
Food Diagnostics

Hi-PCR® Salmonella Food Probe PCR Kit - MBPCR273



GMO Detection

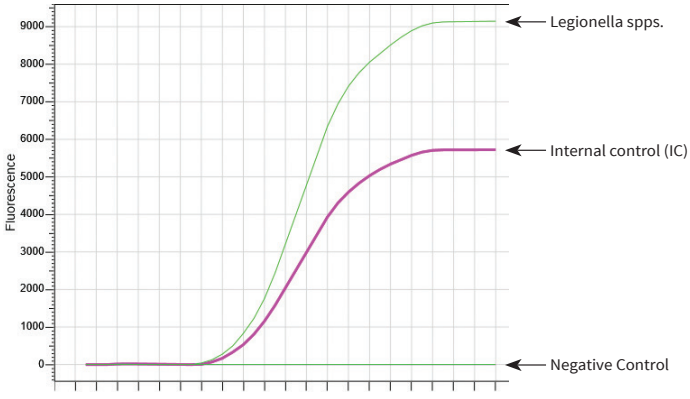
Genetically Modifed Organism detection in cotton plant - MBPCR174



Gene	Ct value
35S	15.43, 15.98
NOS	20.19, 19.89
rbcL	13.9, 13.4
Negative Control	N/A

Water & Beverage Diagnostics

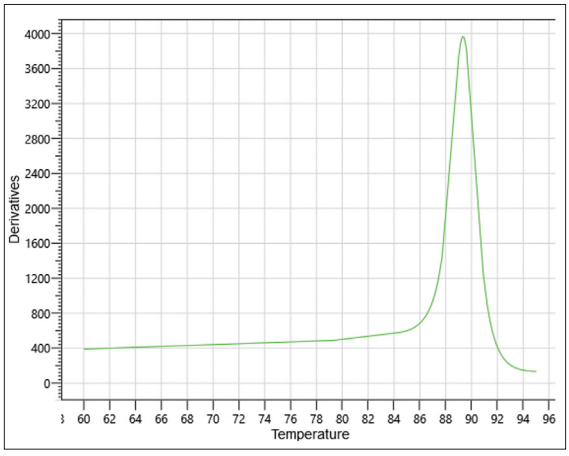
Legionella spp. Detection in Water - MBT142



Sample	Ct value
Positive control	11.56
Internal Control	12.67
Negative control	N/A

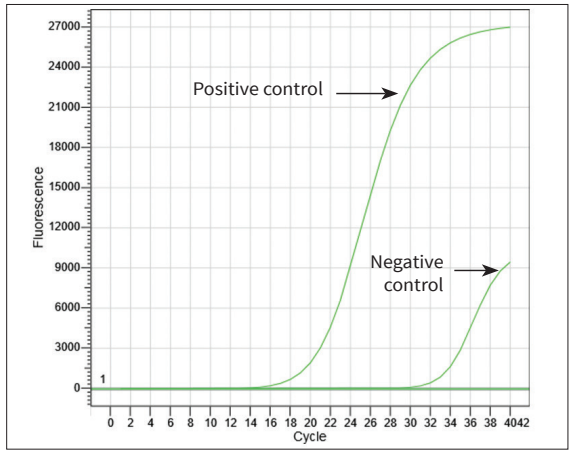
Biopharma / Research Applications

Hi-PCR® 16S rRNA SYBr PCR Kit - MBPCR087



Sample	Ct value
Positive Control, Ct	20.05
Negative Control, Tm	89.3

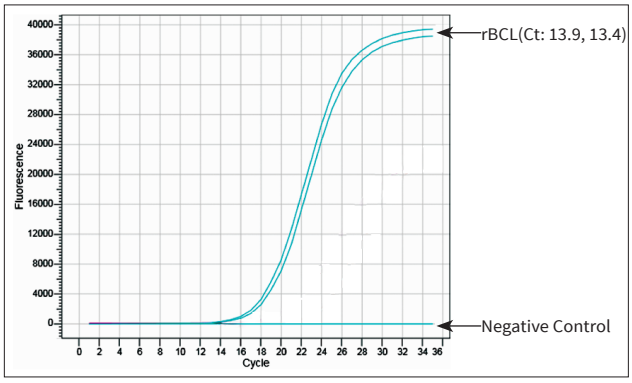
Hi-PCR® 18S rRNA SYBr PCR Kit - MBPCR088

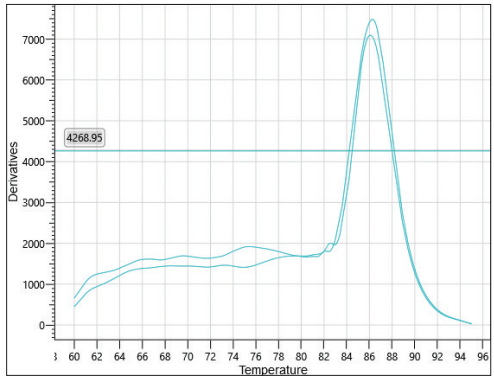


Sample	Ct value
Positive control	16.0
Negative control	31.0

Universal Plant Identification

Plant Detection Kit - MBPCR189

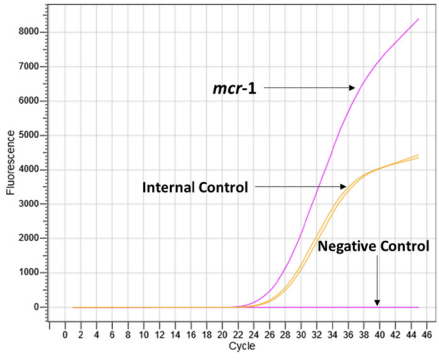




Sample	Melt curve (°C)
rBCL (Plant 1)	86.1
rBCL (Plant 2)	86.3
Negative Control	N/A

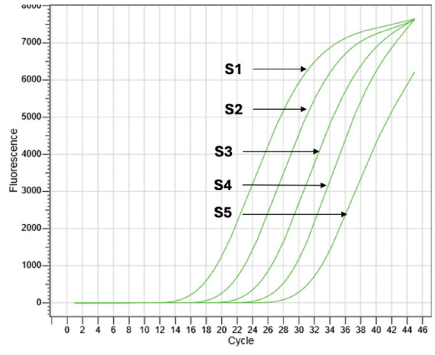
Anti Microbial resistance (AMR) Quantification

Hi-PCR® Colistin Resistance Probe PCR Kit - MBPCR209



Sample	Ct value	
mcr-1 Positive Control	27.19	--
Internal Control	28.23	27.88

Hi-PCR® Colistin Resistance Encoding Gene Quantification Probe PCR Kit - MBPCR228



Standard	Concentration	Copy number
S1	2	1 x 10^5
S2	0.2	1 x 10^4
S3	0.02	1 x 10^3
S4	0.002	1 x 10^2
S5	0.0002	1 x 10^1

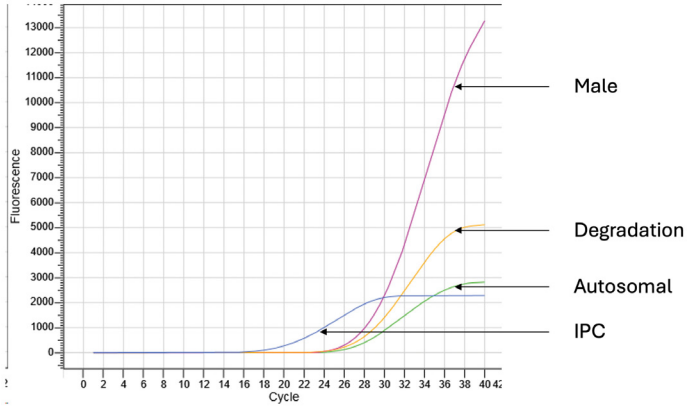
Forensic

Forensic analysis of human DNA (nuclear and mitochondrial) in forensic samples can be a challenging task. Factors like degradation and/or small amounts of DNA can impossibility the analysis due to the lack of quality material to use in the assays. Real-time PCR (quantitative PCR, qPCR) is currently a well-established technology for detection and quantification. The quantification after DNA extraction is an important step, which provides information about the amount of DNA present in unknown samples. This data can be used successfully to obtain better quality results preserving the sample for further analysis.

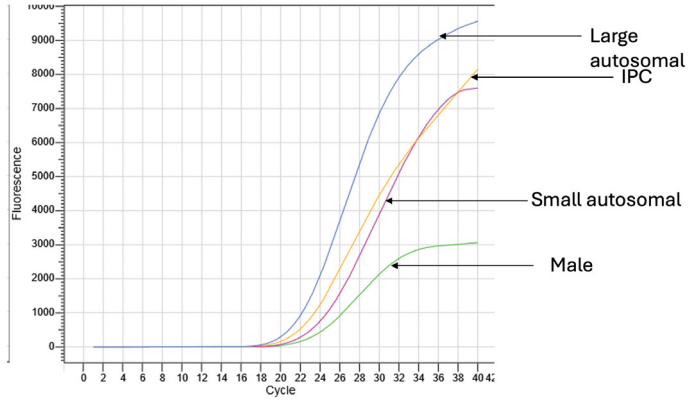
With its distinctive set of features, HiMedia's Insta Q96® 6.0 Real-Time PCR system (LA1074) from HiMedia Laboratories is an open and exclusive Real-Time PCR system for forensic applications. This user-friendly, cutting-edge equipment can track amplification cycle by cycle, providing precise and accurate DNA quantitation. This dependable machine is an open system allowing the user to select the reagents and test kits to be used. The machines already have factory calibrated filters, therefore using a competitor's kit does not necessitate calibration.

HiGenoMB® Forensic-ID DNA Quantification Software, the first, novel, user-friendly, open software is developed exclusively to support forensic professionals who work on quantification of human DNA. This software is coupled with HiMedia's Insta Q96® 6.0 Real-Time PCR system. The software supports all commercially available human DNA quantification kits, just like the equipment does. When setting up various downstream applications, the software automatically provides information on the quantity of DNA and other important parameters viz, degradation index along with quality of DNA, male:female ratio, internal positive control (IPC) shift and autosomal/male dilution series. It is lightweight software that can work on low internet bandwidth and is enabled with all necessary security features such as data encryption, auto-logout facility, no data storage, and no data alteration.

Hi-PCR® Human DNA Quantification Kit - MBPCR266



Competitor Data 1



Competitor Data 2

Consumables For Real-Time PCR

PCR Tubes

CG282	PCR Tubes, Flat lid
CG282E	PCR Tube, Flat Lid
PW1255	PCR Tubes, Thin walled

PCR Blocks

PR3	PCR Blocks (Semi-skirt)
PR5	PCR Blocks (Non-skirt)
PR19	PCR Blocks (Non-skirt)

Premium Grade Barrier Tips

LA749A	Max capacity 10 µL
LA750A	Max capacity 20 µL
LA751A	Max capacity 200 µL
LA859A	Max capacity 1000 µL

Sealing Films for PCR Blocks

PR18	Optical Sealing Film 96 well PCR plate
PR21	Polypropylene Sealing Film
PR28	Hi-PCR® Applicator foor seal in film

PCR Strips

PR12	8-Strip PCR Tube with dome cap – Clear
PR15	8-Strip PCR Tube Flat caps – Clear
PR17	8-Strip tubes & optically clear flat caps for Real-Time PCR
PR23	8-Strip PCR tubes & optically clear with attached flat caps for Real-Time PCR

Pipettes

MBLA008	Q4Pet Autoclavable Micropipette (Capacity : 100-1000µL)
MBLA009	Q4Pet Autoclavable Micropipette (Capacity : 0.5-10µL)
MBLA010	Q4Pet Autoclavable Micropipette (Capacity : 2-20µL)
MBLA011	Q4Pet Autoclavable Micropipette (Capacity : 10-100µL)
MBLA012	Q4Pet Autoclavable Micropipette (Capacity : 20-200µL)
MBLA013	Q4Pet Autoclavable Micropipette (Capacity : 500-5000µL)
MBLA033	Q4Pet Autoclavable Micropipette (Capacity : 10-200µL)
MBLA015	Q4Pet Autoclavable Micropipette (Capacity : 50-1000µL)

Kits for Real-Time PCR

MBPCR024	Hi-PCR® Salmonella SYBr PCR Kit
MBPCR059A	Hi-PCR® Generic E. coli Food SYBr PCR Kit
MBPCR087	Hi-PCR® 16S rRNA SYBr PCR Kit
MBPCR088	Hi-PCR® 18S rRNA SYBr PCR Kit
MBPCR097	Hi-PCR® Fungal ITS SYBr PCR Kit
MBPCR099	Hi-PCR® Salmonella Probe PCR Kit
MBPCR101	Generic Dengue Detection Kit (One-Step Real-Time Probe Based PCR)
MBPCR105	Hi-PCR® Human Papilloma Virus (HPV) Genotyping (Multiplex) Probe PCR Kit
MBPCR108	Hi-PCR® Mycobacterium tuberculosis Probe PCR Kit
MBPCR111	Hi-PCR® Malaria Probe PCR Kit
MBPCR112	Chikungunya Detection Kit (Real-Time Probe Based PCR)
MBPCR121	Hi-PCR® Brucella SYBr PCR Kit
MBPCR122	Hi-PCR® Mycoplasma gallisepticum SYBr PCR Kit
MBPCR123	Hi-PCR® Theileria SYBr PCR Kit
MBPCR124	Hi-PCR® Peste des petits ruminants (PPR) SYBr PCR Kit
MBPCR125	Hi-PCR® Babesia bigemina SYBr PCR Kit
MBPCR127	Hi-PCR® Capripox SYBr PCR Kit
MBPCR128	Hi-PCR® Infectious Bovine Rhinotracheitis (IBR) SYBr PCR Kit
MBPCR129	Hi-PCR® Hemorrhagic septicemia (HS) SYBr PCR Kit
MBPCR131	Hi-POR® Extended Spectrum B-Lactamases (ESBLs) Gene (Multiplex) Probe PCR Kit
MBPCR132	Hi-PCR® Carbapenemase Gene (Multiplex) Probe PCR Kit
MBPCR133	Hi-PCR® Methicillin Resistant Staphylococcus aureus (MRSA) (Multiplex) Probe PCR Kit
MBPCR134	Hi-PCR® Vancomycin Resistant Enterococci (VRE) (Multiplex) Probe PCR Kit
MBPCR136	Hi-PCR® Pork Probe PCR Kit
MBPCR137	Hi-PCR® Dengue Serotyping Probe PCR Kit
MBPCR138	Hi-PCR® Buffalo Probe PCR Kit
MBPCR139	Hi-PCR® Cow Probe PCR Kit
MBPCR141	Hi-PCR® Cow-Buffalo Probe PCR Kit
MBPCR142	Hi-PCR® Cattle Sex Determination Probe PCR Kit
MBPCR162	Hi-PCR® Brucella Probe PCR Kit
MBPCR163	Hi-PCR® Pox Probe PCR Kit
MBPCR164	Hi-PCR® Infectious Bovine Rhinotracheitis (IBR) Probe PCR Kit
MBPCR165	Hi-PCR® Theileria Probe PCR Kit
MBPCR166	Hi-PCR® Newcastle Disease Virus (NDV) Probe PCR Kit
MBPCR167	Hi-PCR® Mycoplasma gallisepticum Probe PCR Kit

Kits for Real-Time PCR

MBPCR168	Hi-PCR® Peste des petits ruminants (PPR) Probe PCR Kit
MBPCR169	Hi-PCR® Hemorrhagic Septicemia (HS) Probe PCR Kit
MBPCR189	Hi-PCR® Plant SYBr PCR Kit
MBPCR191	Hi-PCR® Enterocytozoon hepatopenaei (EHP) Probe PCR Kit
MBPCR196	Hi-PCR® Salmonella Quantification Probe PCR Kit
MBPCR198	Hi-PCR® E. coli O157:H7 Quantification Probe PCR Kit
MBPCR199	Hi-PCR® A1A2 Probe PCR Kit
MBPCR214	Hi-PCR® Trypanosoma evansi SYBr PCR Kit
MBPCR215	Hi-PCR® Brucella canis SYBr PCR Kit
MBPCR224	Hi-PCR® Blue Tongue Virus (BTV) SYBr PCR Kit
MBPCR228	Hi-PCR® Colistin Resistance Encoding Gene Quantification Probe PCR Kit
MBPCR235	Hi-PCR® Milk Buffalo Probe PCR Kit
MBPCR236	Hi-PCR® Milk Cow Probe PCR Kit
MBPCR237	Hi-PCR® Milk Adulteration Probe PCR Kit (Bovine)
MBPCR238	Hi-PCR® Generic E. coli Probe PCR Kit
MBPCR239	Hi-PCR® Total Coliform Probe PCR Kit
MBPCR179	Hi-PCR® Dengue-Chikungunya Multiplex Probe PCR Kit
MBPCR243	Hi-PCR® Coronavirus (COVID-19) Multiplex Probe PCR Kit
MBPCR246A	Hi-PCR® Zoonotic Coronavirus (COVID-19) Multiplex Probe PCR Kit (3 Channel)
MBPCR246B	Hi-PCR® Zoonotic Coronavirus (COVID-19) Multiplex Probe PCR Kit (4 Channel)
MBPCR143	Hi-PCR® Horse Probe PCR kit
MBPCR144	Hi-PCR® Sheep Probe PCR kit
MBPCR270	Hi-PCR® COVID FLU RSV Multiplex Probe PCR Kit
MBPCR273	Hi-PCR® Salmonella Food Probe PCR Ki
MBPCR255	Hi-PCR® COVID-19 Triplex Probe PCR Kit
MBPCR266	Hi-PCR® Human DNA Quantification Kit
MBPCR254	Hi-PCR® EHP-WSSV Detection and Quantitation Multiplex Probe PCR Kit

Technical Parameters of the Product

Product Name	Insta-Q48™ Real-Time PCR Detection System	
Product Code	**LA1023**	**LA1024**
No. of channels	4	2
Multiplexing	4 color	2 color
Sample Capacity	48x0.2 mL PCR tubes, 6x8 (0.2 mL) Strips, ***optical clear bottom***	
Dynamic Range	1~10^{10} Copies	
Excitation Wavelength	450-700nm	450-550nm
Emission Wavelength	500-700nm	500-600nm
Detected Flourescence	F1: FAM, SYBR Green I F2: VIC, HEX, TET, JOE F3: ROX, TEXAS-RED F4: CY5	F1: FAM, SYBR Green I F2: VIC, HEX, TET, JOE
Passive reference dye	**ROX or other not required (optional)**	
Block Temp. Range	4~105°C (Minimum Increment 0.1°C) Soak Low Temperature, Conservation Function	
Heating / Cooling Rate	4.0°C/s (max)	
Temp. Control Accuracy	≤ ± 0.1°C	
Temp. Fluctuation	≤ ± 0.1°C	
Temp. Uniformity	≤ ± 0.3°C(Tested at 55°C)	
Temp. Control Mode	Block / Tube Simulation Mode (Automatic Control Based On Sample Volume)	
Sample Volume Range	5~100 µL	
Gradient Temp. Range	3 Temperature controlled blocks in the range of (Maximum) ±6°C	
Hot-Lid Temp. Range	30~110°C (Adjustable Default 105°C), **Automatic Hot-Lid**	
Flourescence Detection Repeatability	Within 5%	
Scan Mode	Entire Block	
Program	Max 20 Segments for each Program, Max 99 Cycles	
Operation Mode	Continuous	
Scan Period	2 seconds	3.5 secsonds
Feature Function	• Absolute Quantification • **Automatic Data Analysis** • Melt Curve • Genotyping • Gradient • Correction • Customized Parameters	• Relative Quantification • Multi-Channel Crosstalk Correction • HRM • SNP Analysis • Background • **Automatic Gain** • **No passive reference dye required**
Operating System	Microsoft: Windows 8/ Windows 10, Software: Excel 2007, 2010, 2013 and Office 365	
PC Configuration	Memory: 4GB RAM, Hard Disk: 500GB, CPU: Intel i3 & latest	
Power Supply	100 - 240V ~ 50/60Hz 600W	
Dimensions (LxWxH) / Weight	384 x 353 x 348 / 15 kg	
Socket	USB Adapter, Bluetooth Adapter	
Certifications	**CE & IVD Approved**	

Technical Parameters of the Product

Product Name	Insta-Q96® Plus	Insta-Q96® - 6.0
Product Code	**LA1073**	**LA1074**
No. of channels	5	6
Multiplexing	5 Color	6 Color
Sample Capacity	96x0.2 mL Well PCR plate/ tubes, 12x8 (0.2 mL) Strips , ***optical clear bottom***	
Dynamic Range	1~10^{10} Copies	
Excitation Wavelength	300-800nm	
Emission Wavelength	500-800nm	
Detected Flourescence	F1: FAM, SYBR F2: HEX, TET, JOE, VIC F3: ROX, TEXAS-RED F4: CY5 F5: CY5.5	F1: FAM, SYBR F2: HEX, TET, VIC, JOE, NIC F3: ROX, TEXAS-RED F4: CY5 F5: CY5.5 F6: CY3, NED, TAMRA
Passive reference dye	**ROX or other not required (optional)**	
Block Temp. Range	4~105°C (Minimum Increment 0.1°C) Soak Low Temperature, Conservation Function	
Heating / Cooling Rate	4.0°C/s (max)	
Temp. Control Accuracy	≤ ± 0.1°C	
Temp. Fluctuation	≤ ± 0.1°C	
Temp. Uniformity	≤ ± 0.3°C	
Temp. Mode	Temp mode - Fast / standard	
Sample Volume Range	5~100 µL	
Gradient Temp. Range	1~36°C	
Hot-Lid Temp. Range	30~110°C (Adjustable Default 105°C), **Automatic Hot-Lid**	
Flourescence Detection Repeatability	Within 5%	
Scan Mode	Entire Plate or Designated Line	
Run Time	Max 20 Segments for each Program, Max 99 Cycles	
Operation Mode	Continuous	
Scan Period	5.5 seconds	
Feature Function	• Absolute Quantification • **Automatic Data Analysis** • Melt Curve • Genotyping • Gradient • Correction • Customized Parameters	• Relative Quantification • Multi-Channel Crosstalk Correction • HRM • SNP Analysis • Background • **Automatic Gain** • **No passive reference dye required**
Operating System	Microsoft: Windows 8/ Windows 10, Software: Excel 2007, 2010, 2013 and Office 365	
PC Configuration	Memory: 4GB RAM, Hard Disk: 500GB, CPU: Intel i3 & latest	
Power Supply	100 - 240V ~ 50/60Hz 600W	
Dimensions (LxWxH)/ Weight	410mm x 386mm x 352mm / 28 kg	
Socket	USB Adapter, Bluetooth Adapter	
Certifications	**CE IVD, ANVISA**	**CE IVD, ANVISA, SWAGDAM**

Literature code : TL677_04/Insta Q Series/0524

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HIMEDIA
Celebrating 50 Golden Years
1974 - 2024

ELECTROPHORESIS SERIES

HIMEDIA
HiGenoMB®
Unzipping Genes

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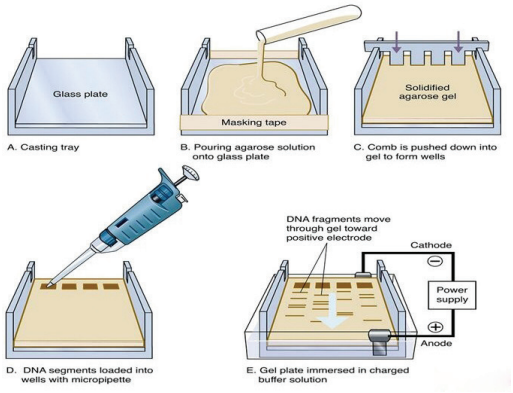
Introduction

The basic technique of electrophoresis was founded by Arne Tiselius in 1931. This method involves migration and thus separation of DNA/protein depending upon its molecular weight between an electric field. The Electrophoresis procedure is carried out by loading the samples on a gel (either agarose or polyacrylamide gel) which is casted in a casting apparatus. The gel is then run in the presence of appropriate buffers with electric current passed across the positive and negative terminals using an electric power supply/ power pack. The samples gradually move depending on the size of the DNA or Protein. An agarose gel is visualized under UV light using a trans illuminator to observe the samples.

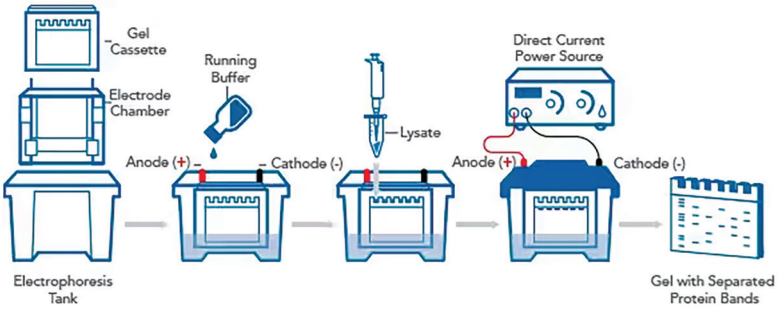
Electrophoresis technique requires electrophoresis apparatus, power pack and trans illuminator to successfully carry out the experiment. This brochure gives an insight into the different types of equipments that HiMedia offers for Electrophoresis.

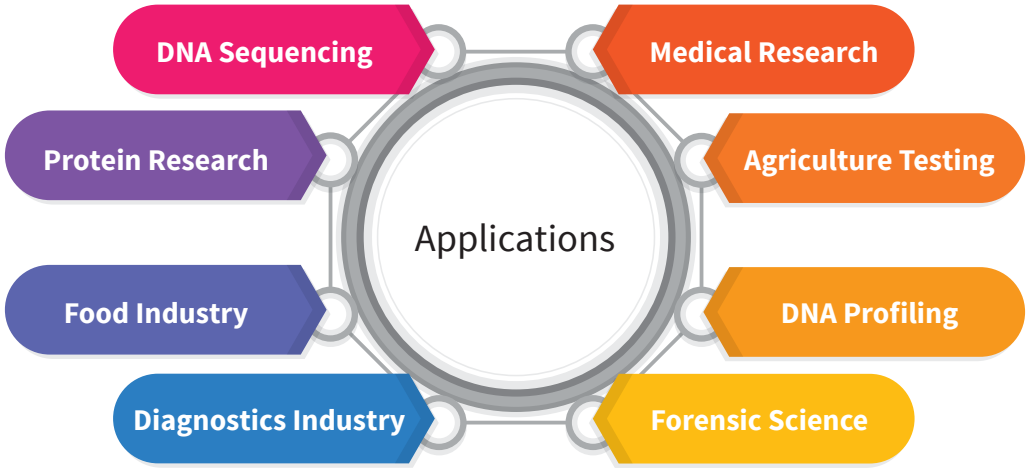
Process Flow

Horizontal Electrophoresis System



Protein Electrophoresis System





Horizontal Electrophoresis System

Hi-Gel® Run0610 - LA665

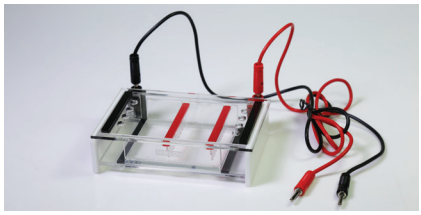
Accessories :

- Main buffer chamber
- Connecting Cables: 1 Set (Black & Red)
- Gel Casting Tray LA665CT
- Well Comb **(6 well & 10 well)** LA665C
- Detachable Electrodes (Anode, Cathode) LA665RE & LA665BE

Hi-Gel® Run1014 - LA666

Accessories :

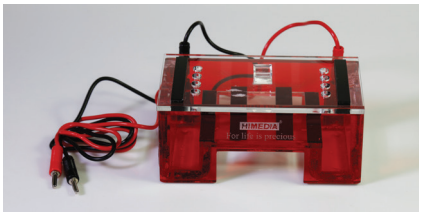
- Main buffer chamber
- Connecting Cables: 1 Set (Black & Red)
- Gel Casting Tray LA666CT
- Well Comb **(10 well & 14 well)** LA666C
- Detachable Electrodes (Anode, Cathode) LA666RE & LA666BE



Hi-Gel® Run0608 - LA844

Accessories :

- Main buffer chamber
- Connecting Cables: 1 Set (Black & Red)
- Well Comb **(6 well & 8 well)** LA844C



Cellulose Acetate Electrophoresis - LA1027

Accessories :

- Main buffer chamber
- Connecting Cable: 1 Set (Black & Red)

Features

- Detachable electrodes
- Compact System
- Quick setup & Easy visualization of sample
- Long life pure platinum electrodes

Hi-Gel® Run 100 Well - LA1075

Accessories :

- Main buffer chamber
- Connecting Cables: 1 Set (Black & Red)
- Gel Casting Tray LA1075CT
- Well Comb options :
  i) **4 Nos. x 25 well** /
  ii) 4 Nos. x 14 well Multichannel Compatible LA1075C
- Detachable Electrodes (Anode, Cathode) LA1075RE & LA1075BE

Specification

Parameter	LA665	LA666	LA1075	LA1027	LA844
Tank Size L x W x H (in cm)	17.6 x 12 x 9.5	22 x 15 x 9.5	35 x 17 x 10	17.6 x 12 x 9.5	16.2 x 9.9 x 2.9
Gel Tray Size (in cm)	7 x 8	9 x 11	24 x 13	10 x 7	10 x 7.5
Sample Capacity (Nos.)	16	24	100	--	14
Max. Buffer Volume (in ml)	400	600	800	400	150
Comb Configurations (teeth)	6 & 10	10 & 14	25 x 4 combs	--	6 & 8
Compatible Power Supply	LA690	LA690	LA690	LA690	LA842

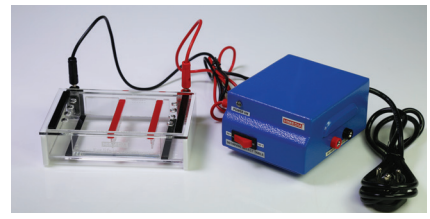
Gel Casting Apparatus

Hi-Gel® Caster - LA1076

Accessories :

- To cast Agarose Gels conveniently with HiMedia's Hi-Gel Caster
- Max. Gel tray 14x12cm

Electrophoresis with Power Pack



(Combination of LA844 & LA842)

Hi Eco Mini Horizontal Electrophoresis - LA851

Accessories :

- Gel Casting Tray: 1 No.
- Well Comb: 2 Nos. (**6** well & **8** well)
- Anode Electrode: 1 No.
- Cathode Electrode: 1 No.
- Connecting Cable: 1 Set (Black & Red)

Electrophoresis Power Supply

Electrophoresis Power Supply (2 Terminals) - LA842

Accessories :

- Connecting Cable: 1 Set (Black & Red)
- Output Range : 50 / 100 VDC

Electrophoresis Power Supply (4 Terminals) - LA690

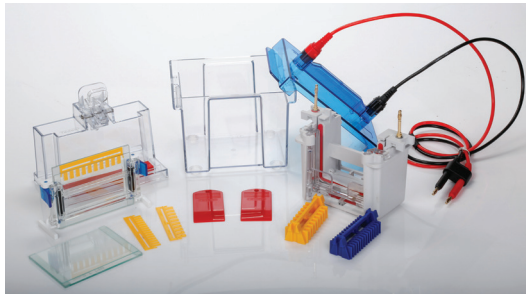
Accessories :

- Connecting Cable: 1 Set (Black & Red)
- Output Range : 10 to 300 VDC

Power Supplies

Parameter	LA690	LA842
Output Range	10 to 300 VDC	50 V / 100 VDC
No. of Outputs	4	2
Compatible With	All Electrophoresis Range	LA844

Protein Electrophoresis System



Wee Vert® - LA1070

Features :

- ✧ One/Two Gels at once As Per Requirement
- ✧ Uninhibited Polymerisation with Plastic Combs
- ✧ Smaller Tank Requires Minimal Buffer Quantity
- ✧ Loading becomes easier with Sample Loading Guides

Accessories :

- ✧ LA1070A : Tank
- ✧ LA1070B : Lid with power cables
- ✧ LA1070C : Clamping Frame
- ✧ LA1070D : Electrode Assembly
- ✧ LA1070E : Buffer Dam
- ✧ LA1070F : Spacer Plate (1.0 mm)
- ✧ LA1070G : Short Plate
- ✧ LA1070H : Casting Stand
- ✧ LA1070I : Comb (1.0mm, 10 well)
- ✧ LA1070J : Comb (1.0mm, 15 well)
- ✧ LA1070K : Comb (1.5mm, 10 well)
- ✧ LA1070L : Comb (1.5mm, 15 well)
- ✧ LA1070M : Casting Frame
- ✧ LA1070N : Sample Loading Guide (10 well)
- ✧ LA1070O : Sample Loading Guide (15 well)
- ✧ LA1070P : Gel Releaser

Specifications :

Number of gels	2
Gel size (W x L)	8.3×7.3 cm
Glass plate size Short plate Spacer plate	 10×7.3 cm (W×L) 10×8.3 cm (W×L)
Total buffer volume	900 ml
Typical run times for SDS-PAGE	Depend on Electrophoresis Conditions
Recommended power supply	LA690
Dimensions (W x L x H)	20 x 12.5 x 16 cm
Weight, kg/lb	0.8 Kg / 1.7lb

Blotting Apparatus

Wee Blot® - LA1088

Features :

- ✧ Essential for wet electro blotting of proteins - Western blotting
- ✧ Smaller Tank Requires Minimal Buffer Quantity
- ✧ Four blots Transferred in ONE SINGLE RUN

Accessories :

- ✧ LA1088A : Tank
- ✧ LA1088B : Lid with power cables
- ✧ LA1088C : Electrode Module
- ✧ LA1088D : Gel Holder Cassette (Including Fiber Pad)
- ✧ LA1088E : Fiber Pad

Innovative Cooling free blotter

Transfer can be done at (<30°C) without cooling function

Specifications :

Blotting area (W x L)	10×10 cm
Gel capacity	4
Number of gel holders	4
Buffer requirement	1400 ml
Electrode materials	Platinum
Transfer time	Depend on Electrophoresis Conditions
Cooling	Not required
Dimensions (W x L x H)	16 × 12 × 18 cm
Weight, kg/lb	0.8 Kg / 1.7lb

Recommended Instruments Available with HiMedia

Pipettes

Centrifuge

Transilluminator

Consumables Available with HiMedia

MB Grade Chemicals

Ready to use Buffers and Reagents

Ladders for DNA & Protein

Reagents for SDS page & Western blotting

Membranes for Western blotting

Pre-Poured gel

HiMedia Laboratories Pvt. Ltd.

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Literature Code : TL685-02/ Electrophoresis/0124

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Hi-Refri® 24

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Hi-Refri®24

Introduction

Hi-Refri®24 is refrigerated laboratory centrifuge. Their speed of up to 15,000rpm (21,400×g) allows for molecular biology applications in 0.2ml, 0.5ml, 1.5ml, 2ml, 5ml according to rotor selection.

It has excellent cooling function to ensure energy efficiency and high temperature accuracy for maximum sample protection. In static precooling mode the compressor automatically start to cool when cover close.

Features:

- Safe and reliable
- **Short-spin** for quick centrifugation
- **FastTemp for rapid pre-cooling**
- Soft-brake function
- Built in condensation drain
- Automatic Rotor Indentification

Technical Specification

Product Name with Code	**Hi-Refri®24 - LA1114**
Speed	500rpm~15,000rpm(100rpm steps)
Acceleration time & Deceleration time (soft off)	≤15s
Deceleration time & Acceleration time (soft off)	45s
Max.Capacity	As per Rotors
Rotor Material	Aluminum Alloy rotor
Max. RCF	21,400×g
Soft brake function	Yes
Temperature control @ 4°C	±2°C
From Ambient temp to 4°C	≤20min
Temperature range	-10°C to +40°C
Instrument memory	10 protocols
Max. Rotor Diameter	85mm
Timer	1s - 99 min 59s (Short-spin)
Weight with one rotor	28kg
Noise level	< 60db
Power supply	AC100-120V/AC200-240V 50-60Hz, 500W
Dimensions(W×D×H)	300×500×320mm

Rotors for Hi-Refri®24

LA1114A	24 x 1.5 /2.0 ml Rotor
LA1114B	12 x 5 ml Rotor
LA1114C	0.2 ml Adaptor
LA1114D	0.5 / 0.6 ml Adaptor
LA1114E	4-8 X 0.2 ml PCR strip rotor


LA1114A


LA1114B


LA1114C


LA1114D


LA1114E

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Literature Code : TL762-01/HiRefri24/1023

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HiPer® MINI
PLATE CENTRIFUGE

Supercompact streamline design with transparent lid

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HiPer® Mini Plate Centrifuge

HiPer® Mini Plate Centrifuge offers not only speed and performance, but also ease of use and compact design so that every workstation can be equipped with an individual centrifuge.

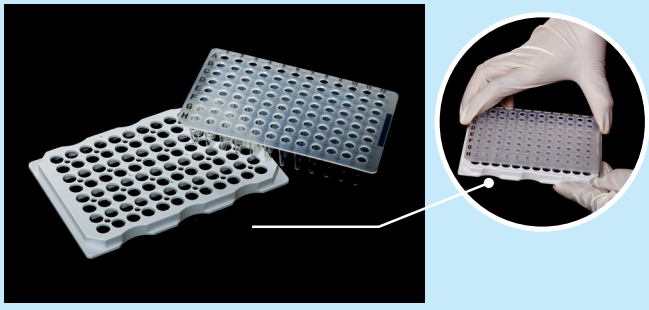
It has a rotor for 96-well PCR plates that can also accommodate 0.2 ml microcentrifuge tubes and PCR strips so as to meet high-throughput research needs of a laboratory. Apart from quality, this instrument is designed to offer unmatched ergonomic operation that leaves the user thoroughly satisfied.

Features

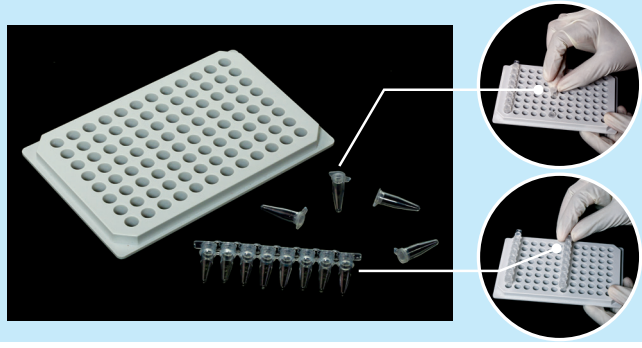
- » Unique design for the horizontal rotor centrifuge
- » Short-spin and timing of two operations make the tests more convenient
- » Braking time from Max.Speed: less than 30sec
- » Easy to clean
- » Convenient and versatile
- » Easy and safe to use
- » Streamline design with super compact shape and transparent PC lid
- » Supplied with 2 dedicated adaptors

Adaptors

1. Adaptor for PCR & ELISA plates with skirt & without skirt



2. Adaptor for 8 x 0.2 ml strip or 0.2 ml PCR tubes



Technical Specifications

Product Name	HiPer® Mini Plate Centrifuge
Model No.	LA1099
Capacity	2 x 96 well PCR plates / Elisa plate / 8x0.2ml PCR strip tubes / 0.2ml PCR tubes
Max. rotational	2,200rpm
Max. RCF	480 x g
Timer	0-10 min
Weight	3.6kg
Dimensions(W x D x H)mm	290 x 360 x 140mm
Power supply	AC200-240 V, 50-60 Hz

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Literature Code : TL781_01/HiPer® Mini Plate Centrifuge brochure/1023

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Outstanding Productivity at an exceptional quality

Product Info

1. TabSpin®012 is a practical, compact and reliable laboratory assistant which the highest speed reach 14,500rpm.
2. Humanized design, simple and compact appearance, special processing of low noise design create a quiet, comfortable experimental environment for you.

TabSpin®012 LA1090

Features

- Extremely quiet operation
- Easy-to-follow LCD display
- Capacity: 12 x 1.5/2.0ml tubes
- Separate short-spin key
- Low sample heating (only 12°C after 30min, at max.speed)
- Autoclavable rotor (121°C, 20min)
- RMP/RCF setting as required
- Standard rotor made of anodized aluminum
- Timer can be set up to 99min

Technical Data

Model	TabSpin®012
Capacity	12 x 1.5/2.0ml tubes
Max.rotational speed	14,500rpm
Relative centrifugal force (RCF)	14,000 x g
Weight	4.5Kg
Timer	20sec~99min
Acceleration time to max. speed	15s
Braking time from max. speed	15s
Power requirement	AC220~240V, 50/60Hz , 100W
Dimensions (DxWxH)	270 x 230 x 155mm

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Product Info

1. TabSpin®006 is compact and cost effective, allowing any workstation to be equipped with a “personal” mini centrifuge.
2. It is supplied with one rotor suitable for 6-1.5/2.0ml tubes, 6-0.5ml tubes and 2-8x0.2ml PCR tubes, and two speed options (4,000 & 6,000rpm).
3. The electronic braking can reach quick deceleration to reduce handling time.

TabSpin®006 LA1089

Features

- 3-in-1 Rotor
- Compact and cost effective
- Two speed options: 4,000 & 6,000rpm
- TabSpin®006 is supplied with 1 rotor: 6 x 1.5/2.0ml, 6 x 0.5ml tubes and 2-8 x 0.2ml PCR Strip rotor

Technical Data

Model	TabSpin®006
Capacity	6 x 1.5/2.0ml, 6 x 0.5ml tubes and 2-8 x 0.2ml PCR Strip rotor
Two Speed options	4,000rpm & 6,000rpm
Maximum RCF	1,200 & 2,000 x g
Weight	0.7kg
Electrical	AC100~240V, 50/60Hz
Dimensions (DxWxH)	135 x 127 x 120mm

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Literature Code : TL790_00/TabSpin Literature/1221

Hi–UV™ Series

- Single Intensity - LA1067
- Dual Intensity - LA1068
- Dual Wavelength - LA1069

*Self Timer prevents overexposure of Gel to UV

HiGenoMB® HIMEDIA
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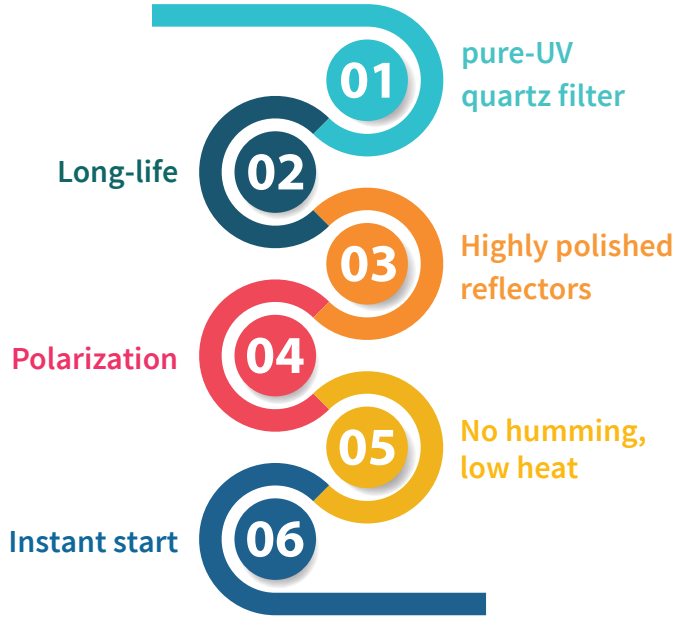
Hi-UV™ Series of Transilluminators

About :

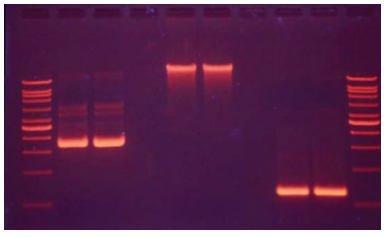
- Hi-UV trans-illuminators play a crucial role in molecular biology laboratories, facilitating the visualization of DNA or RNA separated by electrophoresis through an agarose gel.
- These Hi-UV trans-illuminators allow researchers to examine and analyze nucleic acids with precision and accuracy. By leveraging the principle of fluorescence, UV trans-illuminators enable the visualization of stained DNA or RNA molecules, thereby making them visible to the researcher's eye. This technique finds extensive application in various aspects of molecular biology research, ranging from determining the size of PCR products to verifying RNA integrity after extraction.

Advantage :

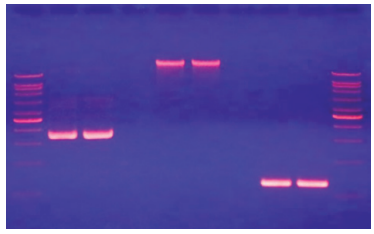
- Enhanced Visualization
- Time Efficiency
- User-Friendly
- Consistent Results
- Extraordinary Data Capture
- Enhances User Safety



Performance Unmatched



HiMedia's
Hi-UV™ Transilluminator



Competitors Gel
Documentation System

Technical Specification

Product Code	LA1067	LA1068	LA1069
Product Name	**Hi-UV™ Max**	**Hi-UV™ Intense**	**Hi-UV™ Duo**
Feature	Single intensity	Dual intensity	Dual wavelength
UV Source	5 tubes of 6 Watt	6 tubes of 8 Watt	6 tubes of 8 Watt
Wavelength	**312 nm**	**312 nm**	**312 & 365 nm**
Safety Timer	1 min	1 min	1 min
Gel Size	15 x 15 cm	20 x 20 cm	20 x 20 cm
Footprint (L×W×H)	31 X 27 X 12 cm	38 X 31 X 16 cm	38 X 31 X 16 cm
Detection wavelength	0.1ng	0.1ng	0.1ng
Weight	3 Kg	3.5 Kg	3.5 Kg
Power Supply	220-240V, 50 Hz	220-240V, 50 Hz	220-240V, 50 Hz
UV tube average shelf life	3000 Hrs.	3000 Hrs.	3000 Hrs.
UV Protective shield	Yes	Yes	Yes
Hi-UV Capture code	**LA1067A**	**LA1068A**	**LA1069A**

Literature Code : TL609-02/Hi-UV/0424

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HiPer® TEMP Shaker

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HiPer® TEMP Shaker

Introduction

The HiPer® Temp Shaker for Micro-tubes is an ideal instrument for intensive mixing of samples in regulated temperature conditions. Mixing and heating modes can be used both simultaneously and independently i.e,the device can work as shaker and as a thermostat. The main body of the Mixing Block can be used with different kinds of blocks. The HiPer® Temp Shaker is used for DNA/RNA analysis, extraction of proteins and lipids and other cell components, DNA library creation, PCR amplification,Pre-denaturation in electrophoresis, serum solidification etc.

Features:

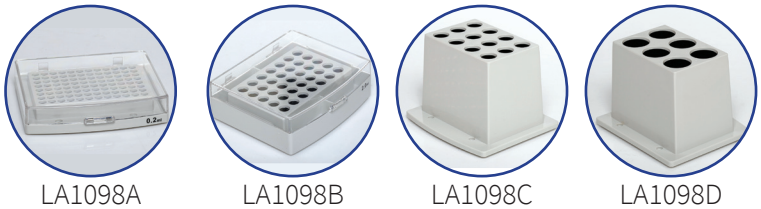
- LCD display.
- Over-heating protection
- Accurate thermal control
- Easy to set up and use
- Low noise operation
- Easy to interchage

Technical Specification

Product Name with Code	**HiPer® Temp Shaker - LA1098**
Mixing rate	200~1500 rpm
Mixing Orbit	2mm
Temperature setting range	0°C~100°C
Temperature control range	0°C~100°C@ Room temp. ≤20°C 4°C~100°C@ Room temp.≤25°C 10°C~100°C@ Room temp.≤30°C
Timing range	1min ~ 99h 59min
Temperature Uniformity	≤0.5°C
Temperature accuracy	± 0.5°C
Heating time (25 - 100°C)	≤15min
Cooling time	≤20min(ET≤20°C:20°C~0°C) ≤20min(ET≤25°C:RT~4°C) ≤20min(ET≤30°C:RT~10°C)
Power Supply	AC220V/AC120V,50/60H_2, 250W
Dimension	300(D)×225(W)×195(H) mm
Net weight	8.5 Kg

Accessories

LA1098A	96x0.2ml tubes
LA1098B	35x2.0ml tubes
LA1098C	12x15ml Centrifuge tubes
LA1098D	6x50ml Centrifuge tubes



LA1098A LA1098B LA1098C LA1098D

HiMedia Laboratories Pvt. Ltd.
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Literature Code : TL763-01/Hiper Temp Shaker/1023

HIMEDIA

HiGenoMB®

Unzipping Genes

WeeDry®

HiMedia Laboratories Pvt. Ltd.
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HIMEDIA®

For Life is Precious

Wee Dry®

Introduction

Wee dry® is a microprocessor-controlled, fast heating micro-tube block. It is suitable for a range of uses in life science, molecular biology, environmental and industrial laboratories and a variety of applications including incubation, enzyme reactions, and immuno-assays. tissue /cell culture, biochemistry, genetics & proteomics.

Features:

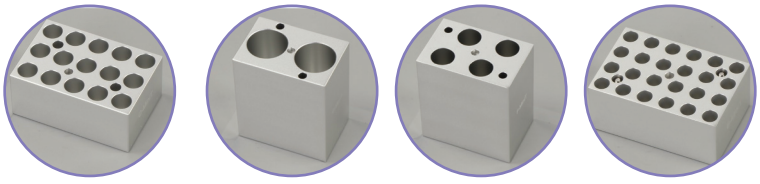
- Compact Size
- Light Weight ***(800 gm)***
- Easy to use
- LCD Display
- Automatic block recognition
- Automatic fault detection & alarm function

Technical Specification

Product Name with Code	**Wee Dry® - LA1115**
Capacity	As per blocks (LA1115A, LA1115B, LA1115C & LA1115D)
Temperature control range	RT.+5°C-100°C
Timer range	1-999min or 1-999sec
Temp. control accuracy	±0.5°C
Display accuracy	±0.1°C
Heating time (25°C to Max.)	≤15min
Temp. stability	±0.3°C
Power supply	DC 24V
Dimensions (W x D x H)mm	120 × 152 × 112 mm
Weight	0.8kg

Accessories

LA1115A - 15 X 0.2 ml Block
LA1115B - 2 X 50 ml Block
LA1115C - 4 X 15 ml Block
LA1115D - 24 X 0.5 ml Block



LA1115A LA1115B LA1115C LA1115D

Literature Code : TL765-01/Wee Dry/0723

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HIMEDIA
HiGenoMB®
Unzipping Genes

HiPurA® Sanitizer
LA1116

HiMedia Laboratories Pvt. Ltd.
www.himedialabs.com

HIMEDIA®
For Life is Precious

HiPurA® Sanitizer

Introduction

The HiPurA® Sanitizer is a compact and perfect model for complete disinfection of the objects placed in it. This UV-C lamp based disinfection unit has a UV-protectant lid making it safe and convenient for use at home and offices. **It kills 99.99% germs and viruses** when exposed for the recommended time.

The pre-set modes work at the click of a button and make it easy to use on a daily basis.

Features:

- Portable
- Easy & Safe to Use
- **Disinfects germs in just 3 minutes**
- Plug & play system
- Auto cut off for safety purpose

Technical Specification

Product Code	LA1116
Product Name	HiPurA® Sanitizer
Wavelength	254 nm
UV Source	1 tube of 11W
Safety Timer	180 seconds
Footprint (L×W×H)	460 X 300 X 180 mm
Weight	3 Kg
Power Consumption	2.6 W
Power Supply	220-240V, 50 Hz

Literature Code : TL764-00/HiPurA® Sanitizer/0321

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