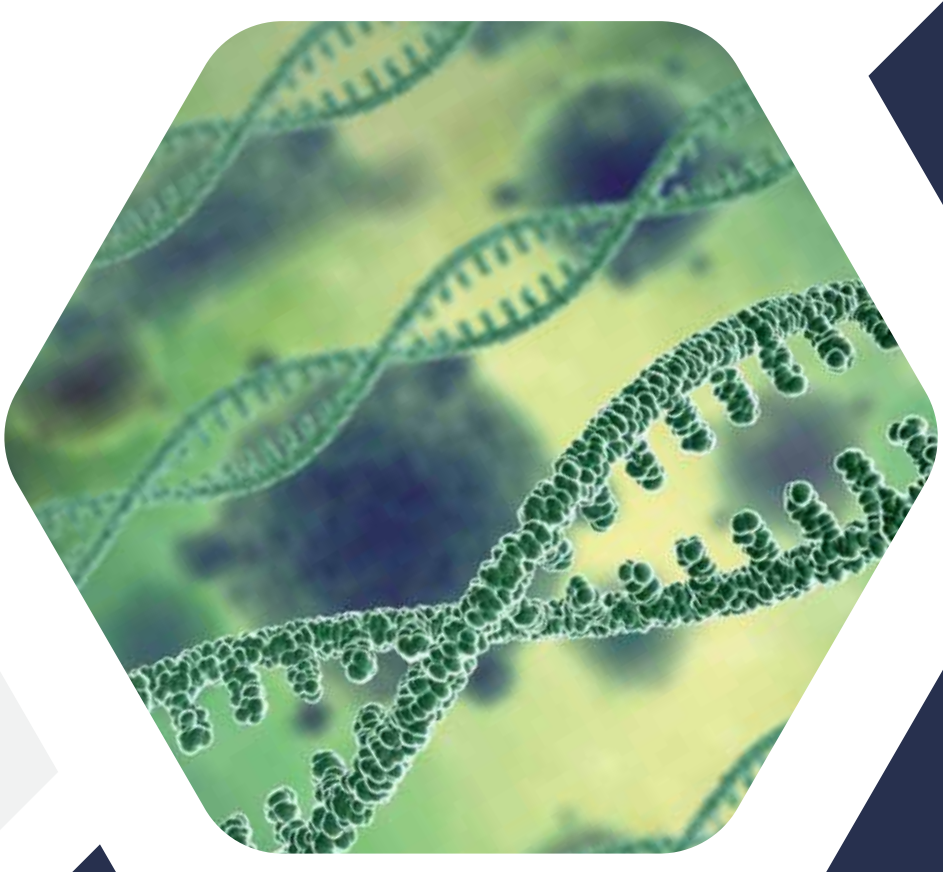
Nucleic Acid *Extraction* Solutions



From Sample to Discovery —
Simplifying Every Step of Extraction.

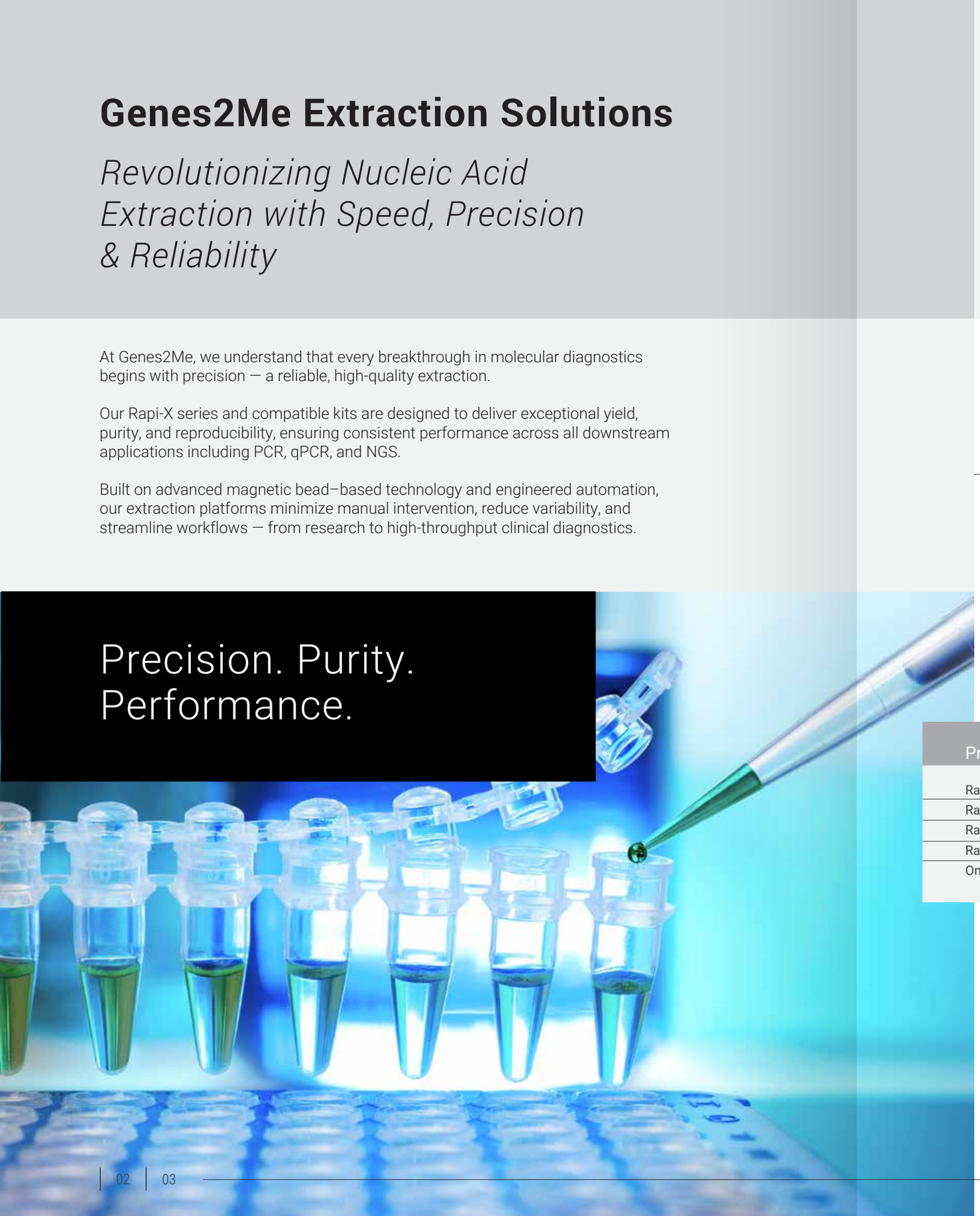
Genes2Me Extraction Solutions

Revolutionizing Nucleic Acid Extraction with Speed, Precision & Reliability

At Genes2Me, we understand that every breakthrough in molecular diagnostics begins with precision — a reliable, high-quality extraction.

Our Rapi-X series and compatible kits are designed to deliver exceptional yield, purity, and reproducibility, ensuring consistent performance across all downstream applications including PCR, qPCR, and NGS.

Built on advanced magnetic bead–based technology and engineered automation, our extraction platforms minimize manual intervention, reduce variability, and streamline workflows — from research to high-throughput clinical diagnostics.



- **High Performance** : Rapid, efficient extraction and purification of DNA, RNA, and total nucleic acids from a wide range of clinical samples.
- **Scalable Automation** : From single-sample setups to 96-well high-throughput systems — solutions tailored to every lab size and workflow.
- **Reliable & Consistent** : Uniform results across runs with superior magnetic bead recovery (>98%).
- **Ease of Integration** : Compatible with all major molecular testing platforms and downstream assays.
- **User-Friendly Design** : Intuitive interface, prefilled reagents, and ready-to-use workflows reduce hands-on time and training needs.

Your Extraction Partner for Every Workflow

From low-throughput research to fully automated diagnostics, Genes2Me ensures accuracy, efficiency, and confidence in every run.

A Complete Range of Extraction Platforms

Our comprehensive extraction portfolio meets every laboratory's throughput, automation, and precision requirements — while maintaining consistent yield and purity across a wide range of sample types. Whether processing a few samples or hundreds per day, Genes2Me provides dependable, high-efficiency solutions that integrate seamlessly into any molecular workflow.

Product	Throughput	Application
Rapid-X16	Up to 16 samples	Medium-throughput automated extraction
Rapid-X96	Up to 96 samples	High-throughput, fully automated workflows
Rapid-X CF	Up to 32 cfDNA samples	NIPT and cell-free DNA extraction from plasma
Rapid-X LB	Up to 8 cfDNA samples	Liquid biopsy and oncology research
OneXtract Kit	Manual / Automated-compatible	Universal total nucleic acid extraction

Each Genes2Me extraction platform is engineered for accuracy, speed, and reliability, ensuring true-to-sample representation and maximum recovery.

- Optimized chemistry for superior purity and yield
- Automated liquid handling to eliminate variability
- Compact, modular design suitable for diverse lab setups
- End-to-end global support, training, and technical assistance

RAPi-X16

Fast &Automated Nucleic Acid Extraction System

Genes2Me Rapi-X16 nucleic acid extraction system ensures **homogenous suspension** and **distribution of magnetic beads**, leading to **higher DNA/ RNA yields.**

Magnetic Bead based Extraction System

Faster Processing Time
15 to 20 minutes

Easy to Use, Stand-alone operation

Pre-filled Ready to use reagents for multiple sample types

KEY FEATURES

Complete range of kit reagents for faster & efficient extraction and purification of DNA, RNA and Total nucleic acids	Temperature uniformity & accurate controls
User friendly Interphase for real time display of running programs	HEPA filter and UV Light for decontamination
High Recovery Rate of Magnetic Beads >98%	Suitable for Extraction & Purification of various clinical samples

- **Sample Types**: Blood, Plasma, Serum, Nasopharyngeal & Oropharyngeal Swabs, Vaginal & Cervical swabs, Saliva, Sputum, Urine, Fresh tissue and other body fluids
- Can process 1 - 16 samples per run
- Extraction time ~ 15 minutes
- Working volume : 100-1000ul
- Sample Elution volume : 50-100ul

Commercial Name	Cat No.
Rapi-X16 Automated Nucleic Acid Extraction System	G2MI80002

One for all **Nucleic Acid Extraction Kit**

Genes2Me's OneXtract Total Nucleic Acid Extraction Kit is an automation-compatible solution designed for processing diverse clinical samples, delivering high-quality, intact nucleic acids.

- One Unique Solution for total Nucleic Acid Extraction
- Ready-to-use Prefilled Plate Format
- Room Temperature Optimized Protocols
- High Quality Purified Nucleic Acid (DNA/ RNA) suitable for downstream applications
- Flexible to Multiple Samples Types
- Processing Time ~20 minutes

Magnetic bead based extraction

Easy and automated workflow

Universal solution for different sample types

Available in different pack sizes - 1/8/16 rxns

Easy to Process Steps

Open the Pack ▶ Add Clinical Sample ▶ Load the Plate ▶ Press Start

Cat No.	Pack Size
G2M211921-NAE(PF) MagNXT Tissue & Body Fluids *(OneXtract)*	96/ 192/ 480 Preps

Sample Types

- **Whole Blood**
- **Saliva**
- **Nasopharyngeal/ Oropharyngeal Swabs**
- **Vaginal & Cervical swabs**
- **Plasma/ Serum**
- **Urine**
- **Fresh Tissue**
- **Other Body Fluids**

Point-of-care workflow

Sample Preparation

Pre-treatment of collected sample

Sample addition to Pre-filled cartridge

Nucleic Acid Extraction

Automated Extraction

Reaction setup & POC Run

Sample Preparation

RT-PCR run

Automated Result Analysis

Result Interpretation as positive/ negative along with Ct values

RAPi-X96

Fast & Fully Automated Nucleic Acid Extraction System

High Throughput

96 samples can be extracted within 15-30 mins based on kit & application

Light Weight

Saves laboratory space

10 inch Large Display

Simple interface & easy operation

Open Platform

for all other available automation friendly magnetic bead based kits

Ready to use pre-filled Kits available

Open the sleeve - Add sample - press start

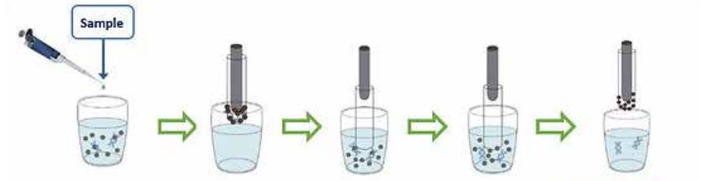
Unique Structure

The instrument has 4 plate positions, 2 plate positions are heated as standard, pre-heating system

Contamination Control

UV sterilization device and Level 11 HEPA high efficiency air filter screen effectively eliminate aerosol pollution

Workflow



Principle

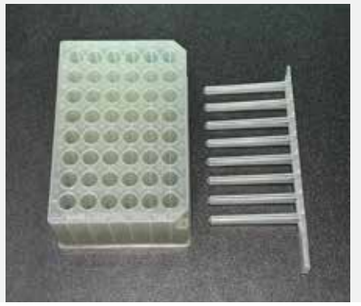
Rapi-X 96 Automated Nucleic Acid Extraction System adopts magnetic bead separation technology.

Through the separation of the magnetic rods and the disposable magnetic rod tip combs, the magnetic rods are transferred between the deep hole plates containing specific reagents to realize the collection, release, transfer and incubation of the magnetic beads.

RAPi-XCF

Automated Cell Free DNA Extraction System

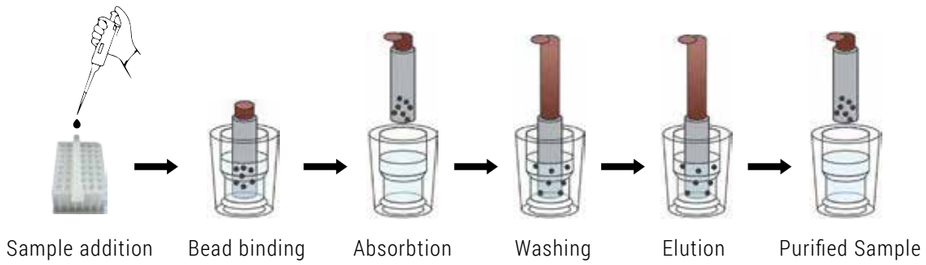
Maximum Efficiency in Isolating Circulating DNA from Plasma / Serum Samples.



By leveraging precision-controlled magnetic rods and disposable tips, the system automates the complete workflow—from nucleic acid binding to washing and elution—delivering consistent results with minimal hands-on time.

With the ability to process upto 32 samples per run, it offers throughput flexibility while maintaining speed and reliability. Designed for use with 48-well pre-filled plates and capable of handling input volumes of up to 700 µL, the system ensures higher yield & superior recovery, even from low-concentration samples.

Workflow



RAPi-X CF System offers unmatched versatility, handling a wide spectrum of sample types including serum & plasma. Designed for diverse laboratory environments, it is the perfect solution for clinical molecular diagnostics, Centers for Disease Control, research and academic institutions, and medical colleges. Whether for routine testing or advanced genetic studies, RAPi-X CF delivers consistent, high-quality results you can trust.

Product Advantages

HIGH THROUGHPUT

The system offers full automation of the nucleic acid extraction workflow, with the capability to process up to 32 samples in a single run.

FLEXIBLE

Offers flexible throughput with the capacity to handle sample volumes of up to 700 µL, ensuring efficiency across diverse workloads.

HIGH EFFICIENCY

Efficiency is 4–5 times greater than manual methods, ensuring faster turnaround and consistently reliable results

PRECISE TEMPERATURE

Custom heater module ensures complete contact between the deep-well plates and heating element ensuring precise and uniform temperature control in every well, enabling high efficiency and optimal nucleic acid elution.

STANDARD OPERATION

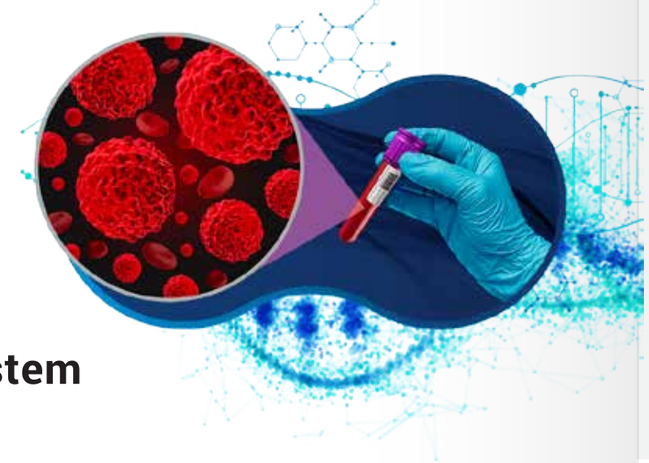
The intuitive user interface is designed for simplicity, ensuring smooth and effortless operation.

CONTAMINATION CONTROL

Use of Disposable tips combined with a built-in UV sterilization system effectively prevents aerosol contamination between runs.

RAPi-XLB

Automated Circulating Nucleic Acid Extraction System for Liquid Biopsy Samples



The RapiX-LB is an advanced, fully automated system specifically designed for the extraction of circulating DNA from liquid biopsy samples.

Engineered to handle high sample input volumes of up to 3 mL, it ensures efficient recovery of low-abundance nucleic acids critical for downstream molecular applications. Capable of processing up to four samples simultaneously, the RapiX-LB utilizes prefilled reagent cartridges for maximum user convenience and minimal hands-on time.

The instrument automates the entire workflow—from sample lysis, nucleic acid binding, washing, to elution—through precise control of magnetic rods and disposable sleeves, delivering consistent, high-quality nucleic acid yield with every run.

Technology Principle

The RapiX-LB employs a magnetic bead–based extraction method, where magnetic rods transfer and mix the beads using 11 unique mixing motions in each processing step.

Samples undergo lysis/binding of nucleic acids to magnetic beads, successive optimized washing steps, and final elution to yield purified DNA. Specially designed heaters at every step of the process ensure high efficiency, reproducibility, and purity.

Your Reliable Solution for Circulating Nucleic Acid Extraction

With its compact design, prefilled consumables, advanced mixing technology, and intelligent automation, the RapiX-LB offers a complete and efficient solution for liquid biopsy–based nucleic acid extraction, enabling laboratories to achieve high sensitivity, reproducibility, and confidence in every run.

Product Advantages

Fully Automated Extraction

Performs complete nucleic acid isolation for up to four samples in one run, reducing manual intervention and improving workflow efficiency

High Efficiency & Accuracy – Magnetic-rod control and amplitude optimization

guarantee thorough bead interaction and minimal residue for superior yield.

Optimized for High Input Volume

Designed to process up to 3 mL of plasma or serum, ideal for liquid biopsy applications requiring maximum DNA recovery.

Flexible & Intelligent Operation

Supports editable extraction programs with large onboard storage, allowing users to customize and save methods for consistent results.

10 Unique Mixing Modes

Advanced magnetic mixing system offers 10 distinct mixing patterns, ensuring complete homogenization of samples and optimal nucleic acid binding efficiency.

Precise Temperature Control

Uniform heating across deep-well plates ensures optimal lysis and elution efficiency, maintaining consistent thermal performance across all wells.

Safe & Contamination-Free

Equipped with disposable tips and a built-in UV sterilization system to minimize aerosol contamination and ensure user safety.

User-Friendly Interface

Intuitive control panel displays real-time parameters clearly, simplifying operation and reducing training requirements.

Your Reliable Solution for Circulating Nucleic Acid Extraction

Model Name	RapiX-LB - Circulating Nucleic Acid Extraction Automation System	RapiX-16 - Automated Nucleic Acid Extraction System	RapiX-CF - Cell-free Nucleic Acid Extraction Automation System	RapiX-96 - Automated Nucleic Acid Extraction System
Cat. No.	G2M910001	G2MI80002	G2M910002	G2MI80001
Principle	Magnetic Bead Based	Magnetic Bead Based	Magnetic Bead Based	Magnetic Bead Based
Throughput	Upto 4 Samples	Upto 16	8-32 samples	96 Samples
Process Volume	Upto 8ml	Upto 1000ul	Upto 3ml	Upto 1000ul
Sample Volume	3ml	200ul	700 µl	200ul
Elution Volume	90ul	100ul	90ul	100ul
Plate types	24-well deep well plates	Single Sample Cartridge & 96 Well Plates	48-well deep well plates	96-Well Deep well plates
Plate Positions	1	1	4	4
Magnetic Rods	4 rods	8 Rods	32 rods	96rods
Beads Recovery	>98%	>98%	>98%	>98%
CV Between Wells	Cv<3%	Cv<3%	Cv<3%	Cv<3%
Heating function	Heating are provided at 1st, 2nd, 3rd and 6th columns.	Heating are provided at 1st and 6th columns.	Heating are provided at 1st and 6th columns on each plate position.	Heating are provided at 1st and 6th columns on each plate position.
Mix by vortex	10 different mixing modes	5 different mixing modes	10 different mixing modes	10 different mixing modes
Reagents	Closed platform for magnetic bead methods	Closed platform for magnetic bead methods	Closed platform for magnetic bead methods	Open Platform
User interface	5 -inch color touch screen	5 -inch color touch screen	7 -inch color touch screen	10 -inch color touch screen
Storage capacity	Up to 1000 programs	Up to 1000 programs	Up to 1000 programs	Up to 1000 programs
UV light	Yes	Yes	Yes	Yes
Exhaust Mode	Induced fan	Induced fan	Induced fan	Induced fan
Running time	< 60 minutes	< 30 minutes	< 60 minutes	< 30 minutes
Weight	13.5 KG	6 KG	55 KG	27 KG
Dimensions	265mm X 390mm X 352mm	295.5mm*173mm*300mm	600mm X 500mm X 500mm	600mm X 500mm X 500mm
Power	100-240VAC, 800VA	100-240VAC, 160W	100-240VAC, 800VA	100-240VAC, 200W
Humidity	≤80% (Non-Condensing)	≤80% (Non-Condensing)	≤80% (Non-Condensing)	≤80% (Non-Condensing)
Temperature	18-25 Degree C	18-25 Degree C	18-25 Degree C	18-25 Degree C

Fully Automated State-of-the-art Manufacturing Facility
of 1,50,000 Sq.Ft. in Manesar, INDIA

ISO 13485:2016 | ISO 9001:2015 | GMP Quality | CE IVD

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