

# Empower your lab with state-of-the-art Molecular Diagnostics



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**All-in-One Molecular System**  
Automation for efficiency

# Full Automation

Less than 2 hours from sample to result.  
Turnkey walk-away platform.  
Prefilled proprietary extraction plates.  
For liquid PCR master mix.  
Intuitive and easy-to-operate user interface.  
Different data transfer options (LIS) available.  
Small footprint.



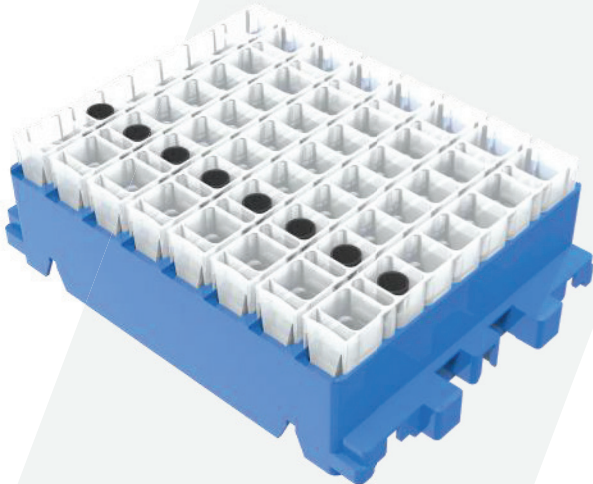
## PCR set-up cartridges

Provides reagents and plastic consumables needed for sample processing.

Holds the liquid PCR master-mix.

PCR reaction tube & cap, and tip for liquid transfer readily available for automated processing.

Waste reduction due to thought-through and efficient concept.



## Pre-filled extraction plates

For processing up to 16 samples/run (2 plates).

Provides all necessary for contamination-free extraction.

Residual eluate can be stored for additional downstream applications.

Contains the magnetic rod cover and store it after use for safe waste disposal.



## Works with NeoDx Real-Time PCR kits

PCR modules with 5 detection channels are available, for maximum flexibility in building your optimal platform.



### Liquid handling module

For rapid sample and eluate transfer.  
Performs preparation of PCR reaction mix.  
Unique design enables capping and transfer of PCR reaction tubes to PCR module.

### qPCR module

5- channel qPCR for up to 16 samples/run.  
Provides fast cycling capability for results in less than 40 minutes.

### Extraction module

Two 8-magnetic-rod arms for processing magnetic bead based extraction.  
Fast and contamination-free nucleic acid extraction in 10 - 40 minutes.

# Simplify your Lab Workflow

The All-in-One System consolidates extraction, amplification and detection in one easy-to-use integrated instrument, providing fast and reliable results with high flexibility. A wide range of design options for individualized requirements are available on request.

## Specifications

### Extraction module

|                              |  |
|------------------------------|--|
| Sample capacity              | 1-16 samples / run                               |
| Sample input volume          | 50 - 300 µL                                      |
| Elution volume               | 50 - 200 µL                                      |
| Extraction time              | 10-40 minutes / run (dependent on protocol used) |
| Magnetic beads recovery rate | ≥ 98%  |
| UV decontamination           | Built-in   |

### Liquid handling module

|                    |                           |
|--------------------|---------------------------|
| Pipetting volume   | 10-200 µL                 |
| Pipetting accuracy | 10 µL < 5%<br>200 µL < 1% |

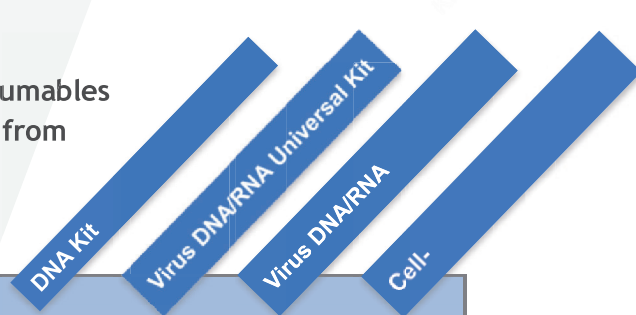
### qPCR module

|                       |   |
|-----------------------|---|
| Sample input volume   | 10 - 50 µL  |
| Reaction temperature  | 40-99 °C  |
| Light source          | High-Brightness LED, 5-channels                           |
| Excitation wavelength | 470 nm - 670 nm (± 10 nm) [FAM, HEX/VIC, ROX, CY5, CY5.5] |
| Detection wavelength  | 520nm - 710nm (± 10 nm) [FAM, HEX/VIC, ROX,, CY5, CY5.5]  |

### Platform dimensions

|                        |                   |
|------------------------|-------------------|
| Dimensions (W x D x H) | 610x 670 x 660 mm |
| Weight                 | 76 kg             |

Choose from a wide range of extraction consumables for optimal DNA and RNA extraction results from your specific sample types.



| Sample type                         | DNA Kit | Virus DNA/RNA Universal Kit | Virus DNA/RNA | Cell- |
|-------------------------------------|---------|-----------------------------|---------------|-------|
| Whole blood                         | ●       |                             |               |       |
| Buffy coat, Bone marrow             | ●       |                             |               |       |
| Culture cells                       | ●+      |                             |               |       |
| Animal tissue                       | ●+      |                             |               |       |
| FFPE tissue                         | ●+      |                             |               |       |
| Plasma / Serum / CSF                | ●+      | ■                           |               | ★     |
| Swabs                               | ●+      | ■                           | ■             |       |
| Liquid transport media              | ●+      | ■                           | ■             |       |
| Sputum / BAL                        | ●+      | ■                           | ■             |       |
| Stool                               | ● - ◆   |                             |               |       |
| Bacterial culture                   | ◆+      |                             |               |       |
| Forensic and Human Identity samples | ●+      |                             |               |       |
| Dried blood spot                    | ○+      |                             |               |       |
| Saliva and Mouth wash               | ●+      | ■                           | ■             |       |
| Buccal cells                        | ●+      |                             |               |       |
| CVS (Chorionic villus samples)      | ●+      |                             |               |       |
| FNA (Fine needle aspirates)         | ●+      |                             |               |       |

- Genomic DNA
- Virus Nucleic Acid
- ◆ Bacterial/Parasite DNA
- ★ Circulating DNA
- Compatible Kit

+ With Tissue Lysis Buffer  
++ With Bacteria Lysis Buffer

Platform Loading

Extraction

PCR Set-up

qPCR Run

Scan kit barcodes & sample IDs  
Load consumables & samples  
5-8 minutes hands-on

Fully automated processing and analysis  
Results in 1-2 hours, dependent on protocols

START

Extraction Set-Up

Extraction Set-Up

Scan PCR Kit Barcode

| PCR Set-Up | Lot#     | Sample# | Per Test | Total Volume | Assay |
|------------|----------|---------|----------|--------------|-------|
| Q51        | 20000000 |         |          |              | Q51   |
| Q52        | 20000000 |         |          |              | Q52   |
| Q53        | 200000   |         |          |              | Q53   |
| Q54        | 20000    |         |          |              | Q54   |
| Q55        | 2000     |         |          |              | Q55   |

Scan PCR assay details

Enter Sample IDs

Scan sample IDs

Load Consumables

Load consumables

Start run

Intuitive user interface for  
secure and time-saving operation

Result analysis & display

# NeoDx Biotech Labs Pvt. Ltd.

Manufacturing Partner Company

NeoDx Biotech Labs is a Bengaluru-based startup, incorporated in 2020. It harnesses advanced bioinformatics and state-of-art engineering to develop In-vitro diagnostic point-of-care assays and fully automated devices to target the unmet needs of the Indian healthcare market.

It has an EN ISO-13485 certified facility from TUV-SUD, Germany. Our products are made in India & support the needs of the Healthcare sector in both Domestic & International markets.

# VISION Biosciences Pvt. Ltd.

Marketing Partner Company

Vision Biosciences, brings their expertise and unparalleled market reach to ensure NeoDx products are widely available throughout India. Together, we are revolutionizing diagnostics in the country.

**Expansive Reach:** With an extensive distribution network, Vision ensures that NeoDx products are accessible nationwide.

**Commitment to Service:** Vision offers comprehensive support and training to ensure seamless adoption and operation of NeoDx devices in your lab.

**A Trusted Partner:** Backed by years of experience in healthcare marketing, Vision is your trusted partner for delivering cutting-edge diagnostics to your customers

When you choose NeoDx, you choose a partnership with Vision - a collaboration rooted in trust, innovation, and progress.

# The power of partnership

NeoDx and Vision share a common goal: to elevate healthcare standards across India by delivering high-quality, reliable, and innovative diagnostic solutions. Together, we are driving forward a new era in molecular diagnostics.

**Precision that matters:** Accurate results mean better decisions.

**Support that guides:** With Vision, you're never alone - our team is here to help you every step of the way.

**Technology that transforms:** NeoDx's advanced RT-PCR devices and kits deliver reliable performance, time after time.

Together, NeoDx and Vision are committed to transforming healthcare diagnostics in India - one innovation at a time.

## Why choose us?

Our RT-PCR Devices & Kits set a new benchmark in molecular diagnostics. Designed with cutting-edge technology, they offer unparalleled precision and ease of use. Whether you are a small lab or a major diagnostic center, our solutions are tailored to meet your needs.

**Advanced Innovation:** Our RT-PCR devices incorporate the latest technology, ensuring superior diagnostic performance.

**Unrivaled Accuracy:** Our RT-PCR kits are meticulously designed to deliver precise results with unmatched sensitivity and specificity.

**User-Friendly Design:** With intuitive interfaces and streamlined workflows, our devices allow for smooth and efficient operation across laboratories.

Empower your lab with the state-of-art in molecular diagnostics



## Contact us today

NeoDx & Vision are here to help you elevate your laboratory's performance. Whether you need more information, product demonstrations, or support, we're just a call away.

### Vision Marketing Team

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