

A Molecular Diagnostic System



MULTIPLEX MOLECULAR DIAGNOSTIC SYSTEM

The MDx-3000 system is a diagnostic system intended for the detection of pathogen analytes.

It is an automated system that integrates PCR, post-PCR liquid handling and detection as well as data analysis and results interpretation. The system also provides capability for user-defined applications.

The system utilizes barcoded magnetic bead (BMB) technology which offers 4,096 unique digital barcode patterns.

The system enables users to perform moderate to high throughput molecular testing, thereby simplifying the workflow, reducing hands-on time and minimizing the contamination risk.

BIOCODE MDX-3000 SYSTEM SPECIFICATIONS

Communications Interface: Touch screen, hand-held scanner, keyboard
Communications Ports: Ethernet cable, USB port
Operating System: Windows
Power Requirements: 100 - 240V; 50/60Hz
Size & Dimensions: 42" W x 31" D x 61" H
Safety: US: NEMKO Certified, EU: CE Marked
Quality Standards: ISO 13485:2016 FM 66159
Regulatory Status: FDA 510(k) Cleared

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¹ FDA Cleared, EU: CE



BioCode[®] MDx-3000¹

*An Automated, High Throughput
Multiplex Molecular Diagnostic System*



Transforming Your Lab Experience

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Transforming Your Lab Experience

Flexible and Cost-Effective Syndromic Testing

THE BIOCODE® MDx-3000

The system automates the **PCR amplification, hybridization/ target capture, and detection** steps of molecular testing. Up to 188 patient samples can be processed on the system in an 8 hour shift. Additionally up to 3 different assay panels with the same protocols can be run on the system at the same time.

MDx-3000 system provides the ability to select individual targets within panels and report only targets that are ordered on the patient. **Automation, along with a simplified work flow, reduces hands-on time yielding labor savings** and minimizes the potential for sample contamination.

SYSTEM WORKFLOW

- STEP 1.** DNA/RNA Extraction;
- STEP 2.** PCR Setup;
- STEP 3.** Load PCR onto BioCode® MDx-3000. The System automates the PCR amplification, hybridization/ target capture, detection, and report the results.



FEATURES & BENEFITS

- **Data Masking** - Specific target reporting based on clinician's order
- **Simultaneous Testing** - Up to 3 different panels on a single run
- **Intuitive Interface** - Touch screen, handheld scanner & LIS connectivity
- **User Defined Mode** - Supports the use of Laboratory Developed Tests
- **Post-run Decontamination** - Reduces the potential for contamination

REPORT SCREEN

Simplifies report to help clinician determine optimum patient care strategies.



SIMPLE SYSTEM DESIGN

- **Intuitive user interface** with simple configuration options
- **Touchscreen work flow** and integrated barcode scanner
- **Automated data management** through LIS (Laboratory Information System) connectivity

WEBSITE LINK

To learn more, please check our website at ApBioCode.com

View our videos at

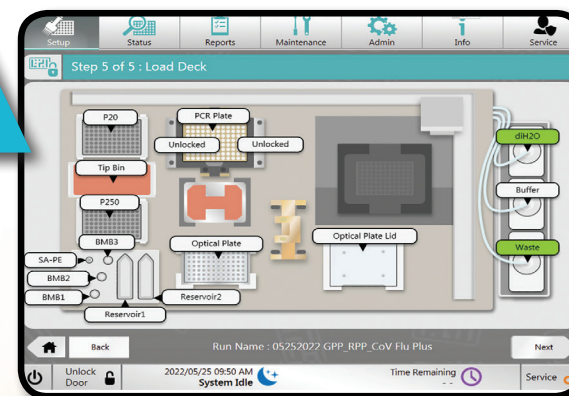
<https://apbiocode.com/analyzer3000.htm>



"Applied BioCode is focused on designing and commercializing products for infectious disease testing that are ideal for mid to high volume laboratory."

LOAD DECK

Corrects position and "checks off" each before starting the run.



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