

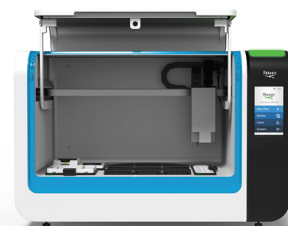
THE FUTURE OF MOLECULAR ANALYSIS

RHEONIX, INC., INTRODUCES THE ENCOMPASS *OPTIMUM*™ WORKSTATION,
A FULLY AUTOMATED, SAMPLE-IN-RESULT-OUT, OPEN SYSTEM FOR MOLECULAR ANALYSIS IN RESEARCH SETTINGS.

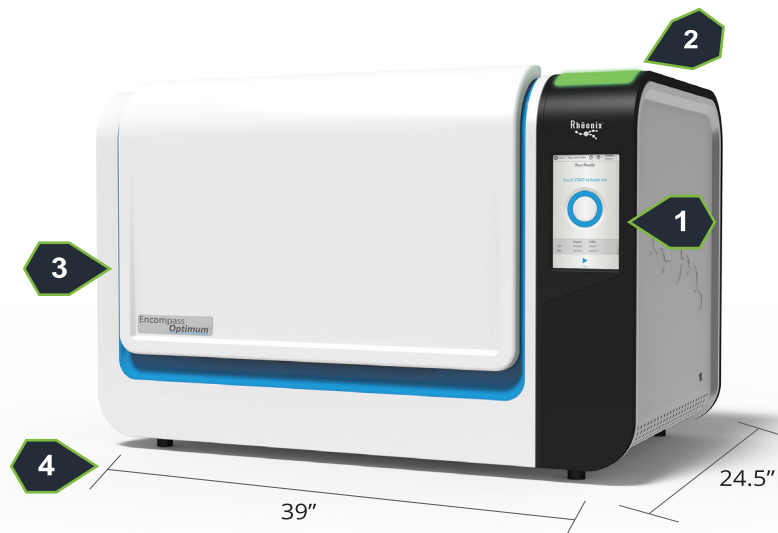
KEY FEATURES OF THE WORKSTATION:

- Direct tube sampling
- Completely automated on-board extraction and purification capabilities
- Automated amplification
- 20 + target multiplexing using reverse dot blot detection
- Universal Capture Probe™ microarray enables user to fully develop their assays
- Open system, user-defined reagents, primers, and probes
- User friendly and intuitive software for programming all assay conditions

These features allow scientist and researchers to develop their own sample-in-result-out, multiplexed molecular assays using their know-how, their reagents, their targets, and their primers and probes. The Encompass *Optimum*™ workstation is used by laboratories to streamline complex manual workflows, or automate singleplex assays, into one multiplexed endpoint PCR panel where a technician places a sample on the instrument, presses “GO,” and walks away.



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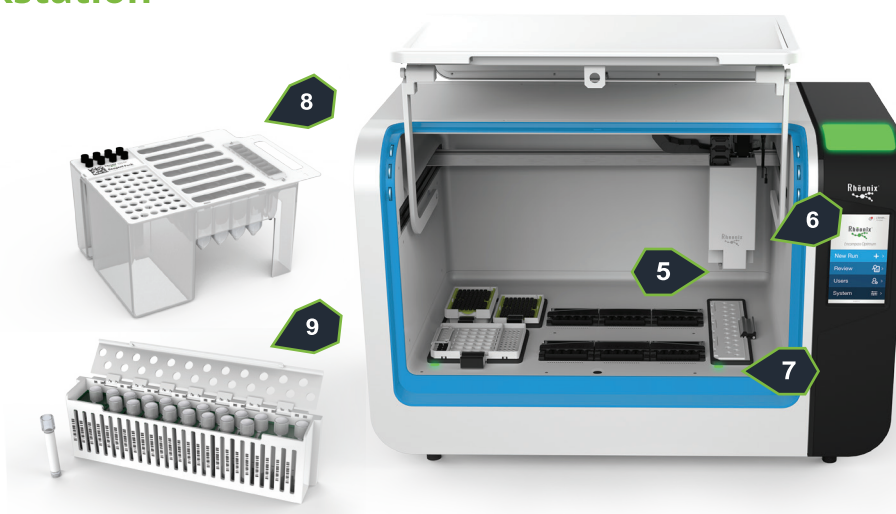
One System, Many Samples

The Encompass family of workstations offers industry-leading workflow automation with an uncompromising commitment to quality. Encompass workstations can take almost any raw sample input and automatically lyse, extract, and purify DNA and RNA from up to 24 samples at one time. The system is capable of processing:

- Fresh tissue, formalin-fixed, paraffin-embedded (FFPE) tissue, whole blood, serum, saliva, swabs, and urine
- Sample volumes from 5 µl to 5 ml, and tissue mass up to 20 mg for integrated nucleic acid testing

Encompass *Optimum*™ workstation

1. 8.4" inch integrated touch screen interface
2. 360° Smart Sense alert system
3. Rheonix CARD® cartridge bay holds 6 test cartridges capable of processing up to 24 samples with the Universal Capture Probe™ microarray
4. Small footprint
5. Robotic liquid handler, automates reagent and sample dispensing
6. User-defined image analysis
7. Direct tube sampling
8. Customizable reagent packs
9. Sample racks can hold up to 24 samples



Rheonix CARD® cartridge

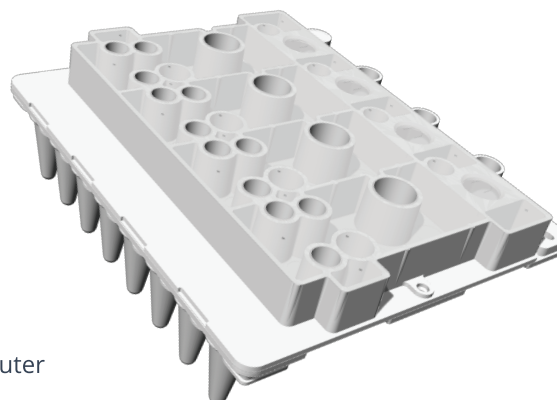
A FULLY INTEGRATED MICROFLUIDIC DEVICE: FROM RAW SAMPLE INPUT TO DETECTION

All steps are fully automated with no user intervention including:

- Lysis
- DNA extraction
- Purification
- Amplification
- Detection

The CARD processes four tests simultaneously

- Waste is stored on board; when testing is complete the CARD is discarded
- All steps, including detection and interpretation, are user-defined and computer controlled, thus eliminating variable timing effects and operator error
- High quality, highly accurate test results



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