

Siemens Healthcare Diagnostics, the leading clinical diagnostics company, is committed to providing clinicians with the vital information they need for the accurate diagnosis, treatment and monitoring of patients. Our comprehensive portfolio of performance-driven systems, unmatched menu offering and IT solutions, in conjunction with highly responsive service, is designed to streamline workflow, enhance operational efficiency and support improved patient care.

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How will I manage my molecular diagnostics workload?

True molecular testing versatility to meet your laboratory needs

The **VERSANT kPCR Molecular System\***

Answers for life.

**SIEMENS**

\*Not available for sale in U.S.

# How will you meet your molecular testing requirements

The new VERSANT® kPCR Molecular System\* from Siemens Healthcare Diagnostics provides the versatility you need to meet emerging challenges in molecular diagnostics testing.



Employing proprietary extraction technology that supports multiple sample types, our VERSANT kPCR Molecular System delivers accurate, reliable results with maximum productivity. System flexibility in combination with an expanding menu will support quantitative and qualitative detection across many molecular diagnostic applications, helping your lab to accommodate new testing demands as they arise.

## today and tomorrow?

### Quality Extraction

Universal DNA and RNA extraction protocol supports a wide range of IVD testing solutions.

### Maximum Productivity

Improved process efficiency and ease of use in a 96-well format from primary tube to result.

### Confidence in Results

Reliable kinetic PCR assay menu delivers high sensitivity and precision.

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# Quality Extraction

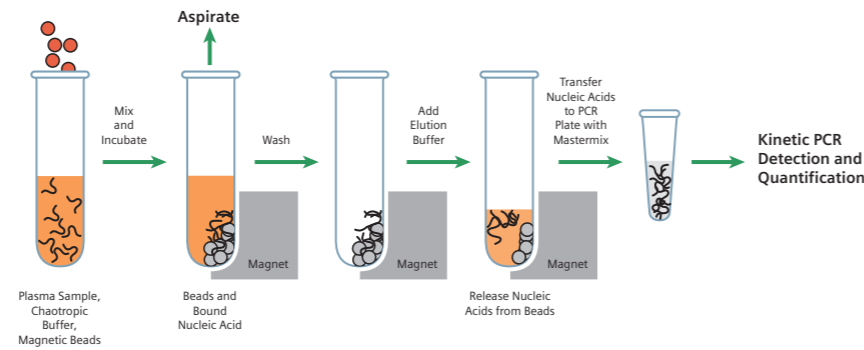
Our proprietary extraction technology uses magnetic particles with silica coating for efficient isolation of nucleic acids – a prerequisite for accurate quantitative and qualitative detection in diagnostic applications.

# Maximum Productivity

Our VERSANT kPCR Molecular System\* uses state-of-the-art automation technology and closed-tube processing to make molecular testing more efficient. Process more samples in less time, without the need for clean room or additional laboratory resources.

## Quality extraction protocols

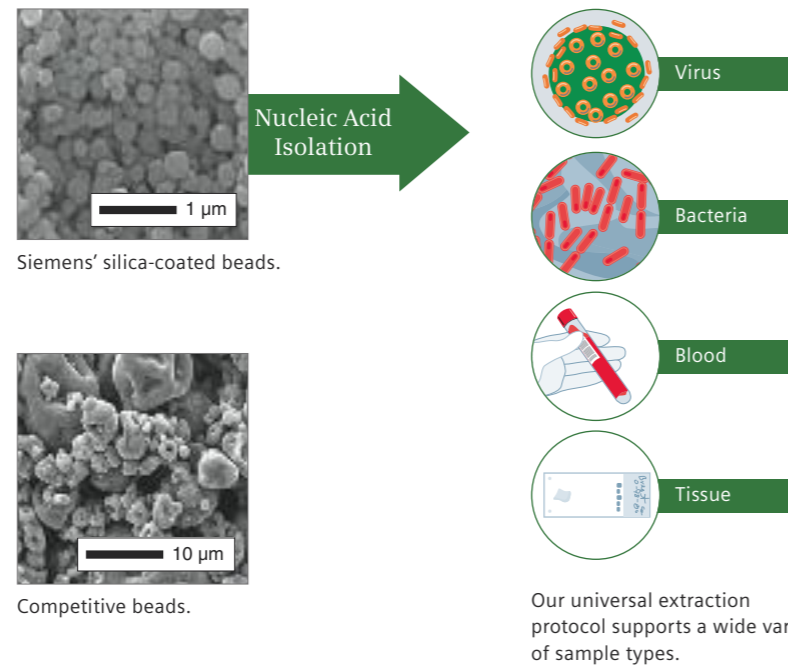
- Universal DNA and RNA extraction involves a single process that supports a wide range of IVD testing solutions
- Choose from a list of automated sample preparation protocols to support other laboratory needs



Universal DNA and RNA Extraction Protocol

## Proprietary Technology

- Improved reproducibility with homogeneous bead size and form
- Optional bead suspension time achieved with smaller particles
- DNA/RNA capture efficiency improves assay performance



Competitive beads.

## Optimize laboratory workflow

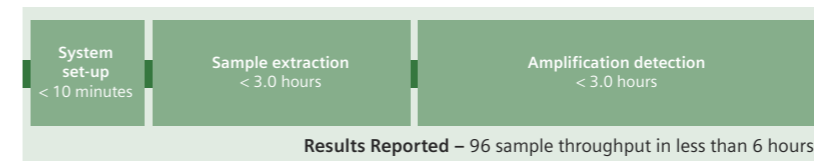
- One-room technology – closed tube processing eliminates the need for clean room operations
- Run two protocols simultaneously\*\*
- Up to 96 samples per run with short turn-around times

## Improve efficiency

- 96-well format enhances process efficiency and ease of use
- Streamlined operation with rapid start-up
- Bi-directional LIS interface for fast download of patient orders and upload of results

## Intuitive User Interface

- Drop-down menus simplify worklist set-up
- Choose from a variety of customizable reporting options, including collated patient reports and run time reports
- Fully-automated inter-module plate map transfer, from sample preparation to amplification detection
- Runtime tracking – display of time-to-run completion for walk away performance



96 wells = 89 clinical samples + 7 standards and control.



Optimized Laboratory Workflow



High Throughput

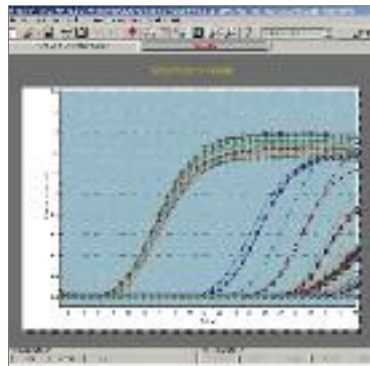


Multiple Sample Types

\* Not available for sale in U.S.  
\*\* Under development



Positive Sample Identification



Real-time Technology



Amplification Detection

#### Positive sample identification

- System tracks sample/patient ID from primary tube to result
- Primary tube sampling supports multiple tube sizes
- Sample input volume up to 500 µL
- Total aspiration and dispense monitoring (TADM) maximizes quality and quantity of difficult samples

#### Effective sample contamination controls

- Physical barriers and uracil-DNA glycosylase (UNG) chemical contamination control reduce risk of contamination
- Air displacement pipetting (ADP) and disposable pipette tips
- CO-RE technology — ‘o’ ring barriers minimize aerosol generation

#### Efficient assay design

- Assay primer and probe design minimize impact of genomic diversity
- Optimal sensitivity and wide dynamic range
- Non-competitive internal controls maximize integrity of results
- Optimized TaqMan® probe technology maximizes quality of results

For more information on the **VERSANT kPCR Molecular System\***, please contact your Siemens Healthcare Diagnostics representative.

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#### Assay Menu

##### Viral load testing:

- VERSANT® HIV-1 RNA 1.0 kPCR Assay\*
- VERSANT® HCV RNA 1.0 kPCR Assay\*\*
- VERSANT® HBV DNA 1.0 kPCR Assay\*\*

##### Bacteriology testing:

- VERSANT® CT/GC DNA 1.0 kPCR Assay\*\*

##### DNA and RNA extraction:

- VERSANT® Sample Preparation 1.0 kPCR Reagents

## Confidence in Results

A unique hardware design and effective contamination controls ensure that our VERSANT kPCR Molecular System\* delivers accurate results you can trust. Reliable kinetic PCR assays offer optimal sensitivity and precision to help support clinical decisions.

## Customer Service and Support

Our field-dedicated team and technical support personnel are trained to support your day-to-day and future needs.

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\*\* Under development. Not available for sale.