



# GeneXpert® Infinity Systems

The Most Automated Complete  
Molecular Diagnostic Systems

 **Cepheid®**  
A better way.



# INNOVATION

*Engineered to fit you*



The GeneXpert® Infinity Systems are the latest advancement in Molecular Diagnostics Total Automation. The epitome of platform consolidation, they enable a comprehensive menu of tests to be run on a single system, by a single operator, in a moderately complex, real-time environment. With two sizes to choose from, Cepheid's unique cartridge technology, and exclusive "load and go" capability, the GeneXpert Infinity provides maximum flexibility in system placement, staffing, and menu availability.



Conveyor loading zone handles  
up to 4 cartridges simultaneously

GeneXpert® Infinity-48s

Ergonomic, adjustable touch screen

Fast, efficient sample scanner

Accumulator positions allow you to "load and go"

Robotic gantry optimized to handle any workload

Smart waste disposal doesn't interrupt operation

System can be configured using 8-packs of modules to meet throughput and capacity needs.

GeneXpert Infinity-80

## SIMPLICITY

Ten years of focused R&D investment is behind the GeneXpert® Infinity System. With its exclusive “load and go” technology, the Infinity couples total walkaway operation with complete random access availability. It’s the ultimate automated molecular solution for your core laboratory that will have lasting impact on lowering costs and improving patient care throughout your hospital.

## SPEED

The GeneXpert® Infinity doesn’t need you to keep it company. By automating every aspect, it maximizes the efficiency and resource optimization in your lab. Just scan a GeneXpert® cartridge into the system, load it, and our Xpertise™ software takes care of the rest. Runs can be prioritized and time-to-results identified, all from a single touchscreen. The Infinity is also amazingly flexible. Run single patient samples as they arrive or in batches. You choose what’s optimal for your workflow, or workload — with the capability of over 2,000 tests per day. The Xpertise software interfaces with any Laboratory Information or Hospital Information System network, delivering real-time answers.

## ACCURACY

Responsible testing demands proven technologies. With more than 10 million environmental Anthrax tests run without a single false positive, no other molecular system has a proven track record that can compete with the GeneXpert System.





In here **is** a **more** powerful laboratory.

**FACT.**

The United States Postal Service Biohazard Detection System has run **over ten million environmental GeneXpert tests** without a single false positive.



**GAME CHANGING FAMILY**

## BOTTOM LINE

*What happens when LEAN principles meet cutting-edge innovation and design? You maximize results per square foot and gain efficiencies that extend beyond the four walls of your laboratory.*

The GeneXpert Infinity is an investment that pays you back. The modular design and high throughput capability keep testing costs low while reducing maintenance and maximizing uptime. And the diagnostic accuracy of the Infinity means you'll shrink risk while strengthening the most important bottom line of all: the health of your patients.



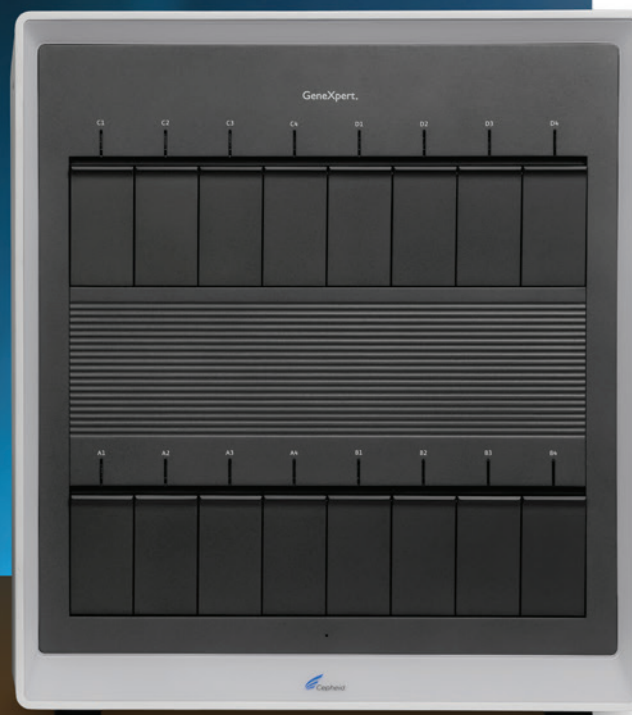
GeneXpert I



GeneXpert II



GeneXpert IV



GeneXpert XVI



For our full GeneXpert family, please visit [www.cepheidinternational.com](http://www.cepheidinternational.com)



## Specifications

### SYSTEM

#### *Infinity*

Automated, multi-mode molecular diagnostic analyzer for on-demand access processing of real-time PCR-based clinical diagnostics.

#### *Number of Modules*

##### **Infinity-48s:**

16, 24, 32, 40, 48

##### **Infinity-80:**

16, 24, 32, 40, 48, 56, 64, 72, 80

#### *Reagents*

Cepheid test-specific, ready-to-use, barcoded kit

### SAMPLE

#### *Test Throughput (theoretical max)*

##### **Infinity-48s:**

1,300 in 24 hours

##### **Infinity-80:**

2,300 in 24 hours

#### *Walk-Away Capacity*

##### **Infinity-48s:**

119 samples per Infinity  
(48 loaded in modules, 48 queued,  
19 conveyor, 4 shuttle)

##### **Infinity-80:**

183 samples per Infinity  
(80 loaded in modules, 80 queued,  
19 conveyor, 4 shuttle)

#### *QC Method*

GeneXpert® test includes internal controls to monitor sample, processing and performance.

#### *Sample Barcode Type*

Code 128, Code 39, Interleaved 2 of 5

### ELECTRICAL REQUIREMENTS

#### *Power Requirements*

##### **Line Voltage:**

200 – 240 VAC, 20A

##### **Frequency:**

50 Hz – 60 Hz +/- 0.5%

#### *Power Consumption*

Max Current 16 Amps @ 200 VAC

### ENVIRONMENTAL REQUIREMENTS

#### *Operating Temperature:*

15 – 30°C

#### *Ambient Humidity:*

10% – 95% RH,  
non-condensing

#### *Heat Output:*

Maximum 530 W/hr or 450 Kcal/hr

#### *Noise Output:*

< 69 dB

### PHYSICAL

#### *Dimensions*

##### **Infinity-48s:**

216 cm **L** x 89 cm **W** x 200 cm **H**

##### **Infinity-80:**

274 cm **L** x 89 cm **W** x 200 cm **H**

#### *Weight*

##### **Infinity-48s:**

1,600 pounds = 725.7 kg

##### **Infinity-80:**

2,100 pounds = 954.5 kg

### CORPORATE HEADQUARTERS

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