

# BD Viper™ System with XTR™ Technology Specification Sheet

## System Overview

### Throughput

Up to 736 CT/GC results in 8.5 hour shift

### Time to First Results

3 hours 15 minutes

### Amplification and Detection Technology

Strand displacement amplification with real-time amplification and detection

### Contamination Prevention

Closed solid barrier amplification system

### Waste Management

Solid (disposable tips) and neutralized liquid waste

## Specimen Handling

### Specimen Collection Type

Vaginal & endocervical swabs, urethral swabs, urine, liquid-base cytology (LBC)\*. All collection devices utilize pierceable caps during processing

### On-Board Sample Capacity

96 samples including controls per run

### Patient Sample Identification Location

A membrane switch pad records the location of the tube. Capacity to read multiple barcode configurations: 2 of 5, code 39, code 128, codabar

### Sample Dispensing System

6-station pipettor with liquid-level sensing

### Sample Volume

800 µL

## Reagent Handling

### Reagent Format

Up to 96 microwells, ready-to-use reagents

### BD ProbeTec™ Qx Reagent Stability

18 months\*\*, 6 weeks after opening at 2 – 33°C



## Physical Dimensions

### Height

80 in. (203cm)

### Width

75 in. (191cm)

### Depth

42 in. (107cm)

### Weight

1,535 lb (698kg)

### Optical Readers

2 optical fluorescence readers



Helping all people  
live healthy lives

\* Product under development, not available for sale or use.

\*\* Expected stability, studies ongoing.

Table 1 Specimen Transport & Stability

SWAB SPECIMEN	FEMALE ENDOCERVICAL SWAB / MALE URETHRAL SWAB		VAGINAL SWAB			
			DRY VAGINAL SWAB		VAGINAL SWAB (Expressed)	
Stability from day of collection	30 days at 2-30°C	180 days at -20°C	14 days at 2-30°C	180 days at -20°C	30 days at 2-30°C	180 days at -20°C
Urine	NEAT			UPT		
Stability from day of collection	30 h at 2-30°C	7 days at 2-8°C	180 days at -20°C	30 days at 2-8°C	30 days at 30°C	180 days at -20°C

## Data Management

### Operating Computer

VNS-786 running VxWorks 5.5.1

### Host Interface

LIS-RS-232 Serial ASTM 1381/1394

### Data Storage

Stores up to 30 runs, capacity to log up to 29 runs in advance

## Environmental Requirements

### System Operating Temperature Range

64.4° – 91.4°F (18° – 33°C)

### Ambient Humidity

20% – 85% RH non-condensing

### Noise Specification

Less than 65 dbA

### Heat Dissipation

2048 BTU/hr. (600 watt hour)

### Location

Level surface, no direct heat

## Electrical Requirements

### Input Voltage

208 – 240 VAC (single phase line NEMA L6-20P twist lock plug)

### Input Current

20 Amp

### Line Frequency

50 – 60 Hz (±3 Hz)

### Power Consumption

<3500 watts

### UPS

2.1 to 3.6 KVA

## Lysing Heater

### Power Requirements

108 – 132 VAC/50 – 60 HZ (220 – 240 VAC/50 HZ)

### Operating Temperature

64.4°F – 91.4°F (18°C – 33°C)

### Operating Humidity

20% – 85% RH non-condensing

### Operating Altitude

0 – 6,562 ft. (2,000 m)



### BD Diagnostics

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