

BD Viper™ LT System

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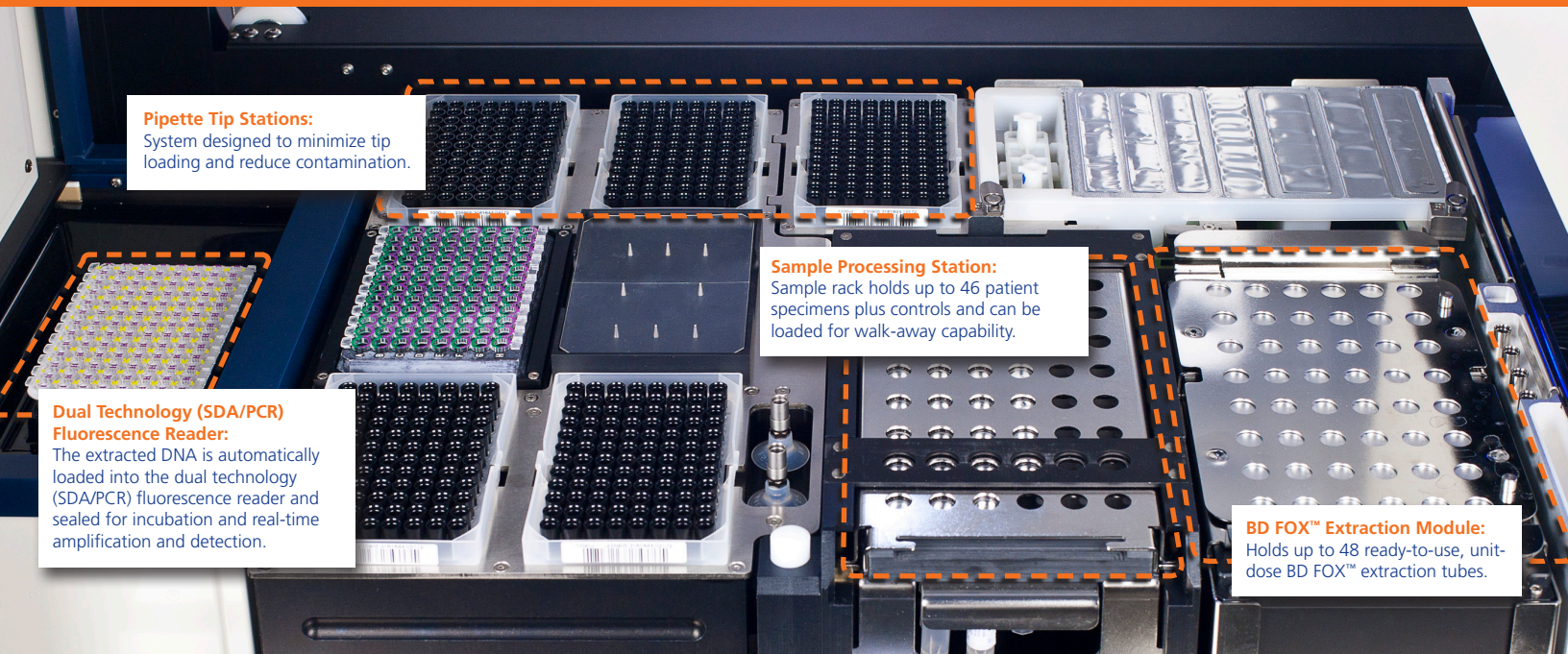
Unlimited Capability and Flexibility
for your Molecular Testing Needs



Helping all people
live healthy lives

- Fully automated specimen processing and integrated molecular testing in a tabletop analyzer
 - Integrated extraction and analysis
- Intuitive easy-to-use touchscreen interface
- Dual technologies for unlimited capability and flexibility
 - Strand Displacement Amplification (SDA)
 - Real-time Polymerase Chain Reaction (PCR)
- Least amount of hands-on time for setup and maintenance
- Ready-to-use, unit-dose reagents require no refrigeration or preparation
- No manual pipetting required
- Primary Tube Sampling with automated cap piercing
- Assays in / or planned for development
 - CT / GC
 - HPV Genotyping
 - HSV 1 & 2
 - *Trichomonas*

The BD Viper™ LT System is under development and not available for sale or use.

**Pipette Tip Stations:**

System designed to minimize tip loading and reduce contamination.

Sample Processing Station:

Sample rack holds up to 46 patient specimens plus controls and can be loaded for walk-away capability.

Dual Technology (SDA/PCR) Fluorescence Reader:

The extracted DNA is automatically loaded into the dual technology (SDA/PCR) fluorescence reader and sealed for incubation and real-time amplification and detection.

BD FOX™ Extraction Module:
Holds up to 48 ready-to-use, unit-dose BD FOX™ extraction tubes.

System Overview

Configuration: Tabletop

Throughput: Up to 150 CT / GC patient specimens processed per 8.5 hour shift

Optical Reader: 1 optical fluorescence reader

Time to First Results:
3 hours 30 minutes for CT / GC

Amplification and Detection Technology:
Strand Displacement Amplification (SDA) with real-time amplification and detection and real-time Polymerase Chain Reaction (PCR) technology

User Interface: Touchscreen with intuitive easy-to-use software

Contamination Prevention:
Closed solid barrier amplification system

Waste Management:
Solid (disposable tips) and pH neutralized liquid waste

Specimen Handling

Specimen Types: Vaginal & endocervical swabs, male urethral swabs used with proprietary BD transport medium, urine and liquid-based cytology (LBC) media. All specimen tubes utilize pierceable caps during processing.

LBC Specimen Volume: 500 µL

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On-Board Sample Capacity: Up to 46 patient specimens plus controls

Patient Sample Identification:
Capacity to read multiple barcode configurations: Code 25, Code 39, Code 128, Codabar

Sample Dispensing System:
Four-channel pipettor with liquid-level detection

Reagent Handling

Reagent Format:
Up to 96 ready-to-use unit-dose reagents

Physical Dimensions

Height: 46 in (116.8 cm)

Width: 75 in (190.5 cm)

Depth: 36 in (91.4 cm)

Weight: 500 lb (226.8 kg)



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