



Integrated identification and susceptibility testing solutions

Together, BD and Bruker provide tools for healthcare professionals to aid in therapeutic decisions





A partnership committed to innovation

BD and Bruker are leaders in identification and susceptibility testing, with a demonstrated track record of launching novel products designed to help clinicians improve patient care.

Together, BD and Bruker offer a combined portfolio of flexible identification and susceptibility testing solutions, with integrated informatics that streamline and standardize laboratory workflow.

- Detection of carbapenemase-producing organisms on BD Phoenix™ panels with the BD Phoenix™ CPO detect test
- BD Epicenter™ Data Management System

Integrated microbiology solutions

A purposefully engineered mass spectrometry instrument for the clinical microbiology laboratory connected with reliable antimicrobial susceptibility testing



The BD Bruker MALDI Biotyper® provides rapid and accurate identification of bacteria and yeasts. When combined with the BD Phoenix™ susceptibility system, clinicians are able to accelerate ID/AST result reporting.

This end-to-end identification and susceptibility solution is integrated through a single software interface, which provides specimen tracking and traceability across instruments, labs and IDNs.

With the BD EpiCenter™ Data Management System, the BD Bruker MALDI Biotyper and the BD Phoenix™ M50 instrument can integrate data with the BD BACTEC™ FX platform. This combined blood culture/identification and susceptibility testing data solution can provide actionable insights while streamlining and standardizing workflows.

Flexible options to meet the diverse needs of all labs

Tailored MALDI-TOF solutions meet the needs of microbiology labs of all sizes

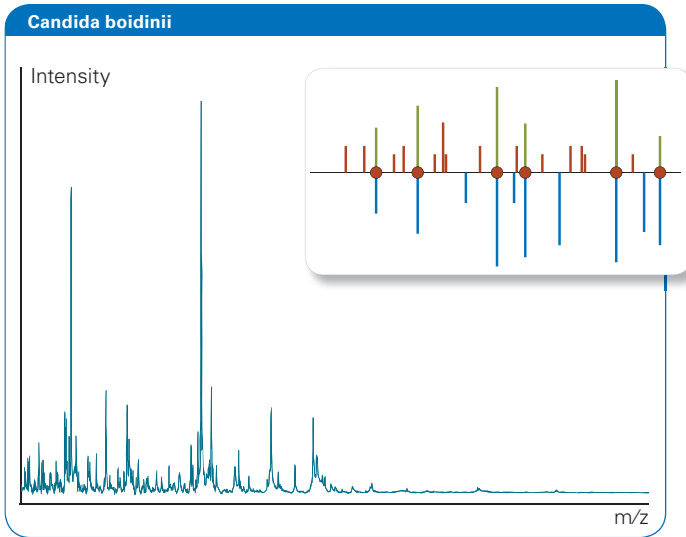
- True benchtop solutions requiring less than 3 feet of counter space
- Low-noise operating system
- 110V electrical requirements, with minimal heat output
- Automated workflow enhancement and prep instruments available

Easy-to-use solutions for workflow and lab efficiency

- Real time microbiology – no batching required with BD Bruker MALDI Biotyper workflow
- Bruker Bacterial Test Standard (BTS) simplifies QC - easier and more convenient than other commercially available strains
- Disposable target plates provide 96 spots and a unique barcode for full traceability, with no time consuming cleanup
- The BD EpiCenter Data Management System's Plate Mapping module allows users to spot samples on MALDI target plates while simultaneously connecting them to appropriate BD Phoenix susceptibility panels



Comprehensive library construction enhances performance



Library design makes a difference. Bruker libraries are broad, accurate, and easily expanded.

- FDA cleared library with 424 organisms in 333 groups covering anaerobes, Gram-positive bacteria, Gram-negative bacteria, and yeast
- Straightforward result interpretation

Dedicated to continuous improvement

	BD Bruker MALDI Biotyper® System	BD Bruker MALDI Biotyper® smart CA System
Laser	Nitrogen Laser <ul style="list-style-type: none"> • 60 Hz repetition rate • ~200 samples/hr • 60 million laser shots 	Bruker's proprietary lifetime* smartbeam laser <ul style="list-style-type: none"> • 200 Hz repetition rate • ~400 samples/hr • 500 million laser shots
Vacuum system	Original vacuum system <ul style="list-style-type: none"> • Fast target exchange 	New high-performance vacuum system <ul style="list-style-type: none"> • Three times greater pumping capacity • Even faster target exchange • Less down-time after maintenance
L x W x H	20.1" x 26.8" x 43"	20.9" x 26.8" x 43"
Weight	185 lb	218 lb
Common features	<ul style="list-style-type: none"> • Perpetual Ion Source™ with IR-laser self-cleaning functionality • Whispermode™ • Oil-free membrane pre-vacuum pump and turbo pump • <60 dB under normal operating conditions • Patented PAN™ technology for high mass resolution over a wide mass range • Voltage: 110V 	

To expand its identification capabilities, BD and Bruker have added the MALDI Biotyper® smart instrument to their portfolio, which improves on the already robust performance of the Bruker MALDI Biotyper instrument. Both instruments are available as part of the BD integrated ID/AST offering.

* Lifetime means: 500 million laser shots or seven years (whichever occurs first)

Ordering information

IVD products

Description	Cat. No.
Instrument	
BD™ Bruker MALDI Biotyper® – CA System	8604736
BD™ Bruker MALDI Biotyper® smart System – CA System	8604784
BD™ Bruker MALDI Biotyper® Pilot System	1822041
BD™ Bruker MALDI Biotyper® Galaxy System	1821269

Consumables	
US IVD Bacterial Test Standard (BTS)	8604530
US IVD HCCA Matrix	8604531
US IVD 48 Spot Target	8604532
MBT Biotarget 96 US IVD	1840380
Adapter for MALDI Biotarget	8267615

Description	Cat. No.
Instrument	
BD Phoenix™ M50 Instrument	443624
BD Phoenix™ M50 Instrument Starter Kit (with PC)	443625
BD BACTEC™ FX Instrument (top unit)	441385
BD BACTEC™ FX Instrument (bottom unit)	441386
BD BACTEC™ FX40 Instrument	442296

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