

RUO



## MBT FAST™ Shuttle

- Standardized and accelerated drying of MALDI Biotyper® matrix and other liquid reagents

Ever since the introduction of the MALDI Biotyper, more than a decade ago, Bruker's continuous developments have resulted in quicker sample analysis, due to a faster laser, faster mechanics inside the system and a better performing high vacuum system.

However, until now users have had to wait patiently for matrix to dry and crystallize, before inserting the MALDI target into the vacuum source of the MALDI Biotyper.

The matrix crystallization process is crucial for high-quality MALDI-TOF spectra, indispensable for reliable microorganism identification. The MBT FAST Shuttle, a small benchtop device, creates the perfect environment for optimized, standardized and therefore reproducible matrix crystallization and faster drying of other droplet assays.

# Acceleration and Standardization

## MBT FAST Shuttle

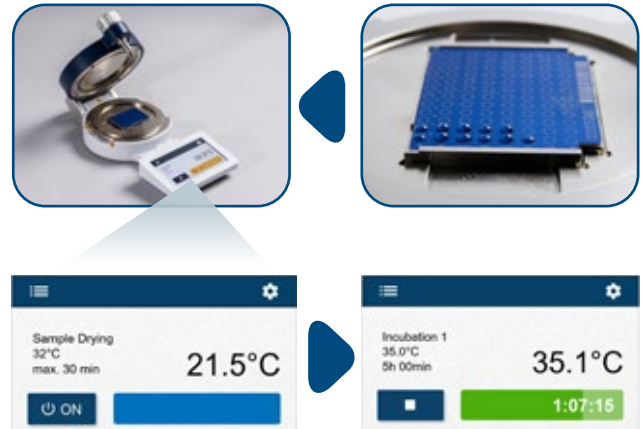
The small benchtop MBT FAST Shuttle has been designed with the aim of creating the perfect environment for reproducible droplet assays and target preparations, including MALDI matrix drying and crystallization. It greatly accelerates the final step of sample preparation for the MALDI Biotyper (MBT) identification workflow.

### Accelerated drying

The MBT FAST Shuttle accelerates drying of microliter droplets of samples, matrix and reagents for all dedicated MALDI Biotyper applications. For this purpose the MBT Biotarget 96 is placed on the heated bottom plate of the device and the lid of the instrument remains open. The intuitive touch pad of the MBT FAST Shuttle guides you directly to the "Sample Drying" program and displays the elapsed time.

### Key Applications

- Highly standardized matrix crystallization for specific MBT workflows at defined temperatures
- The MBT FAST Shuttle can also be used for the MBT workflows requiring droplet drying, such as mycobacteria sample preparation



### Technical Specifications

- Net weight 1.8 kg / 4 lb
- Dimensions L x W x H: 400 x 250 x 100 mm  
15.7 x 9.8 x 3.9 in
- 100 / 240 VAC

### Features & Benefits

- Enhancing standardization of your MALDI Biotyper workflows
- Significant acceleration of the matrix crystallization step, at least 2 or 3 times faster than ambient matrix drying
- Improved identification (ID) performance compared to ambient matrix drying, in particular for Direct Transfer (DT) and extended Direct Transfer (eDT) methods
- Fast and easy Plug & Play installation of a device which fits on every lab bench

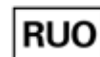
### Order Information:

**Part No. 1872847**

MBT FAST Shuttle

MALDI Biotyper® is a registered trademark of the Bruker group of companies.

For Research Use Only. Not for use in clinical diagnostic procedures.  
Please contact your local representative for availability in your country.



**As of May 2021, Bruker Daltonik GmbH is now Bruker Daltonics GmbH & Co. KG.**

●  **Bruker Daltonics GmbH & Co. KG**

Bremen · Germany  
Phone +49 (0) 421-2205-0

[info.md@bruker.com](mailto:info.md@bruker.com) - [www.bruker.com/microbiology](http://www.bruker.com/microbiology)