MALDI Biotyper®

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.

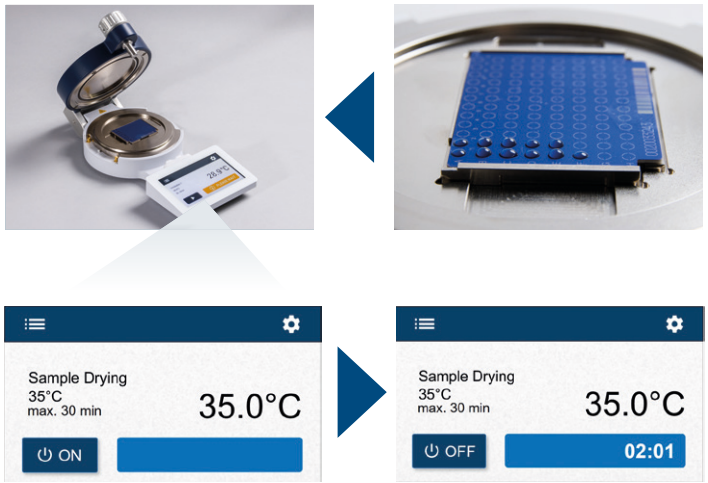
However, until now users have had to wait patiently for matrix to dry and crystallize, before inserting the MALDI target into the vacuum source of the MALDI Biotyper.

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

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 significantly speeds up sample preparation for the MALDI Biotyper workflows: direct transfer (DT), extended direct transfer (eDT) and extraction (Ext).

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 at a defined temperature
- The MBT FAST Shuttle can also be used to substantially improve the time-to-result for MBT workflow steps requiring droplet drying

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
- Substantial acceleration of the matrix drying/crystallization process vs. the standard process (at room temperature)
- Equivalent identification performance compared to ambient matrix drying and crystallization
- Fast and easy Plug & Play installation of a device which fits on every lab bench

Order information

MBT FAST™ Shuttle IVD CE IVD
Part No. 1878263
Not for sale in the USA.

MBT FAST™ Shuttle US IVD IVD Rx ONLY
Part No. 1896133
Only for sale in the USA and Puerto Rico.

MBT FAST™ Shuttle RUO
Part No. 1872847
For Research Use Only.
Not for use in clinical diagnostic procedures.

Please contact your local representative for availability in your country.

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

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