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MALDI Biotyper[®] Consumables

- Enhancing Your Assay Productivity

Bacterial Test Standard (BTS)

BTS is used in the MALDI Biotyper system quality control process to ensure reliable and accurate identification of microorganisms. Consisting of a quality-controlled *E. coli* extract complemented with two higher-molecular-weight proteins, its composition covers the entire mass range of proteins measured during your MALDI Biotyper identifications.

Part No. 8255343 | Bruker Bacterial Test Standard

Box containing five tubes, each sufficient for approximately 40 sample positions.



HCCA (α -Cyano-4-hydroxycinnamic acid) Matrix

Pre-portioned HCCA matrix provides easy and most convenient preparation of HCCA matrix solutions, easy to handle for sample preparation. Once dried together with the sample, the highly homogeneous crystals enable accurate and reproducible identification of microorganisms.

The pre-portioned HCCA has been developed especially for Bruker MALDI Biotyper systems and has gone through a purification process to ensure accurate results and maintain system cleanliness. This reduces the frequency of preventive maintenance cleans.

Part No. 8255344 | Bruker Matrix HCCA, portioned

HCCA matrix for manual sample preparation:
Box containing 10 vials, each sufficient for approximately 200 sample positions.

Part No. 1823405 | MBT Galaxy HCCA Matrix GPR

HCCA matrix for the MBT Galaxy (for automated application of HCCA matrix and formic acid):
Box containing 10 vials, each sufficient for approximately 500 sample positions.

MALDI Sepsityper® Kit 50

Bruker's MALDI Sepsityper Kit enables identification of gram-negative, gram-positive bacteria and yeast directly from positive blood culture bottles within 20 minutes.

By eliminating the time-consuming step of subculturing microorganisms, the MALDI Sepsityper solution can reduce the turnaround time required by traditional positive blood culture identification workflows by up to 24 hours.

Part No. 8270170 | MALDI Sepsityper Kit 50

Kit containing all reagents required for microorganism isolation from 50 positive blood culture samples.



MBT STAR®-BL Assays

The MBT STAR-BL (Selective Testing of Antibiotic Resistance Beta-Lactamase) assays enable the rapid phenotypic testing of bacteria for their hydrolyzing enzymatic activity towards β -lactam antibiotics. Carefully selected benchmark antibiotics are used in the kits to represent different β -lactam enzyme classes. The assay principle is based on the detection of specific mass shifts of the benchmark antibiotics which occur when they are hydrolyzed by β -lactamase producing bacteria. These very specific mass shifts can be detected by the MALDI Biotyper and are analyzed and reported by the MBT STAR-BL software module.

The assays can be performed on isolates from overnight cultures or on a Sepsityper pellet (see above Sepsityper Kit).

Part No. 1867701 | MBT STAR-Carba Kit

The STAR-Carba kit allows the detection of the enzymatic activity of prevalent class A, B or D carbapenemases by a rapid 30-60 min test. The kit includes all necessary reagents together with a benchmark carbapenem for 20 (each as single analysis) up to 58 test samples (in one run).

Part No. 1867704 | MBT STAR-Cepha Kit

The STAR-Cepha kit allows the detection of the enzymatic activity of ESBL (Extended Spectrum Beta-Lactamases) or AmpC by using a 3rd generation cephalosporin benchmark antibiotic. The kit includes all necessary reagents for 20 until up to 94 test samples.

Part No. 1818702 | MBT STAR ACS

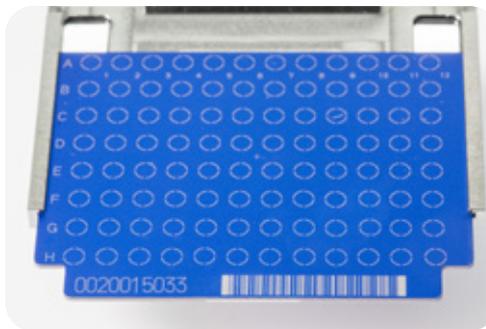
This Antibiotic Calibration Standard contains 4 selected peptides which cover the lower molecular mass area in order to achieve a proper calibration in the mass range of the antibiotics. Consisting of 5 tubes for approximately 20 calibration spots each.



Disposable MBT Biotargets

Ready-to-use disposable MBT Biotargets require no cleaning, provide 96 sample positions and a unique barcode for full traceability in paperless workflows.

The AnchorChip™ effect, using a hydrophobic surface coating surrounding the hydrophilic sample positions, concentrates liquid samples into the spot area which facilitates applying liquids to the target during sample preparation.



Part No. 1840375 | MBT Biotarget 96

Box of 20 individually barcoded disposable 96 position MALDI target plates.

Accessories:

Part No. 8267615 | MSP adapter for MBT Biotarget

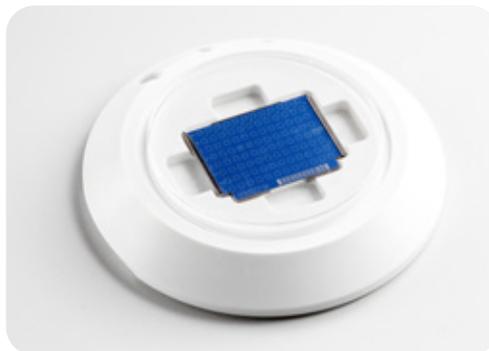
Adapter required to use MBT Biotargets with benchtop MALDI Biotyper systems.

Part No. 8270006 | Transport boxes for MBT Biotarget

10 MBT Biotarget transport / storage boxes.

MBT Shuttle target holder

The MBT Shuttle target holder is used to securely hold MSP steel MALDI target plates and MBT Biotargets during the sample preparation process. Non-slip rubber feet prevent the target holder from slipping on the work surface. The secure grip and ergonomic form make sample preparation easier. Three mounting positions are provided for reagent vials. The MBT Shuttle is designed to stack. The supplied lid protects the MALDI target plate during storage and transport.



Part No. 1847032 | MBT Shuttle

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Please contact your local representative for availability in your country.

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

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