

# Instructions for Use

## MSP 96 polished steel BC targets

**Reusable MALDI targets for MALDI-TOF-MS analysis**

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**Language: en**

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## 1 Product Description

MSP 96 polished steel BC targets are reusable steel plates for MALDI-TOF-MS analysis. They are used in the microScout ion source that is found in microflex series instruments. They can also be used in autoflex and ultraflex series instruments when mounted in the MTP MSP adapter (# 8226413).

If you are unsure of which type of MALDI target is the best for your application, please contact Bruker Support.

### Ordering Information

Product	Part No.
<b>Targets for the microScout source with barcode</b>	
MSP 96 target ground steel BC	# 8280799
MSP 96 target polished steel BC	# 8280800
<b>Adapter</b>	
MTP MSP Adapter	# 8226413

The barcode on the target consists of a ten-digit number: the first three digits indicate the target type and the last seven digits constitute a unique serial number.

The barcode can be read using the Honeywell 3800G CCD Handscanner (Bruker # 8268821)<sup>1</sup>. Laser barcode scanners cannot be used to read the barcode on Bruker MALDI targets.

## 2 Risk and Safety Information

Additional chemicals may be required for procedures described in these Instructions for Use. Carefully read the Material Safety Data Sheet provided by the supplier and follow general safety regulations when handling chemicals or biohazardous material.

## 3 Sample Preparation

For preparation protocols, see the *Bruker Guide to MALDI Sample Preparation* (Product Number # 8702557), which is available for download at [www.bruker.com/ifu](http://www.bruker.com/ifu).

<sup>1</sup>Other CCD barcode scanners may be able to read the barcode, but Bruker does not guarantee that all CCD scanners are compatible with Bruker MALDI targets.

## 4 Cleaning MALDI Targets

MSP 96 polished steel BC targets require cleaning between measurements for optimal performance. For cleaning protocols, see the *Bruker Guide to MALDI Sample Preparation* (Product Number # 8702557), which is available for download at [www.bruker.com/ifu](http://www.bruker.com/ifu).

## 5 Cleaning Target Frames and Adapters

Target frames and adapters should not be submerged in cleaning solvents. They should be cleaned by wiping with a tissue moistened with ethanol.

## 6 Preventing Sample Spreading

In some cases, sample spots may spread over a large area of the target. This is especially problematic if the target surface is not smooth or high concentrations of organic solvent or residual moisture are present.

Sample spreading can be minimized by reducing the concentration of organic solvent in the sample (ideally to <30%). Alternatively, an appropriate amount of water can be deposited on the sample spot before depositing the analyte.

Drying the target at 60°C before sample application may also help prevent sample spreading.

If sample spreading remains a problem, users should consider using AnchorChip MALDI targets. Sample positions on these targets contain "anchors"; hydrophilic patches surrounded by a hydrophobic ring. The "anchor" localizes droplets at the sample position and the hydrophobic ring prevents sample spreading and concentrates the sample into a spot between 0.4 and 2 mm in diameter. Refer to the relevant AnchorChip Instructions for Use for more information.

**Note** Minor scratches may appear on targets through normal use. These cosmetic scratches have no influence on the performance of the target.

## 7 Manufacturer



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# 8280800

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