MACS® UltraMount 8

Order no. 130-136-872

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1. Description

This product is for research use only.

Components	1 unit MACS UltraMount 8 1 unit 7 mm Extension Barrier 2× Spare Clamps 2× Spare Springs
Storage	Store all components dry at room temperature (+19 to +25 °C).

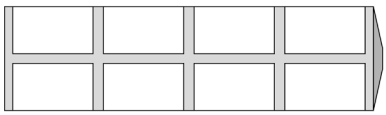


Figure 1: Schematic view of the MACS UltraMount 8.

1.1 Background information

MACS UltraMount 8 sample holder has been designed for high-throughput imaging of up to eight mouse brains as well as other samples of comparable dimensions. Mounting of the brains can be done after immunostaining and tissue clearing.
Detailed application protocols are available on the product page.

1.2 Technical specifications

- Size: 110 mm × 85 mm × 14 mm (length × width × height)
- Material: nylon
- 8 wells with 8–10 mm × 7 mm (width × height).

  ▲ **Note:** Height can be extended up to 14 mm with the included extension barrier (not compatible with 12x MI PLAN objective lens).
- Compatible with organic solvents
- MACS UltraMount 8 are for single use only.
- For professional laboratory use only.
- Recommended working temperature betweeen +4 °C and +40 °C.

1.3 Reagent and instrument requirements

- UltraMicroscope Blaze™ Imaging System running ImSpector software version 7.7 or higher
- (Optional) MACS Deep Clearing Kit (# 130-136-470) for immunostaining and clearing of whole mouse brains for 3D imaging analysis

2. Use of the MACS UltraMount 8

▲ Please refer to the UltraMicroscope Blaze Imaging System user manual for detailed information on using the instrument.

▲ A protocol for clearing of whole mouse brain with the MACS Deep Clearing Kit is available at www.miltenyibiotec.com/applicationprotocols.

▲ A detailed application protocol for setting up the Experiment Manager in ImSpector 7.7 or higher can be found at www.miltenyibiotec.com/applicationprotocols.

2.1 Sample mounting

▲ Only unilateral illumination is possible when using the MACS UltraMount 8.

▲ Mount mouse brains vertically in the MACS UltraMount 8 wells (e.g., with the olfactory bulb upwards).

1. Open the clamps of a MACS UltraMount 8 well by pressing the part on the bottom of the holder, where the spring is visible.
2. While keeping the clamps open, gently insert the mouse brain in the MACS UltraMount 8 well.
3. Release the clamps to ensure tight adhesion to avoid loosing samples during imaging process.

Refer to **www.miltenyibiotec.com** for all data sheets and protocols. Miltenyi Biotec provides technical support worldwide. Visit www.miltenyibiotec.com for local Miltenyi Biotec Technical Support contact information.

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