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### 1. Description

This product is for research use only.

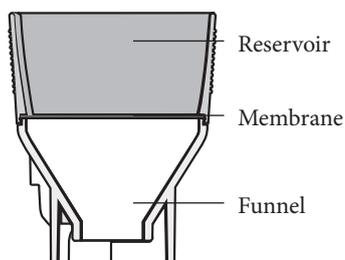
For use by professional laboratory personnel only.

#### Products

	50 filters, sterile and single packed	100 filters, sterile packed as 4x25
MACS SmartStrainers (30 µM) yellow colored	130-098-458	130-110-915
MACS SmartStrainers (70 µM) purple colored	130-098-462	130-110-916
MACS SmartStrainers (100 µM) orange colored	130-098-463	130-110-917

#### Storage

Store MACS SmartStrainers dry. The expiration date is indicated on the box label.



#### 1.1 Important safety information

##### Warning

All biological material must be considered potentially infectious. Regulations for the treatment and disposal of infectious materials must be observed.

#### 1.2 Background information

MACS SmartStrainers are designed for the easy removal of cell aggregates or large particles after tissue dissociation or from blood samples to obtain uniform single-cell suspensions. The smart design of the filters allows improved ventilation during filtration, and so avoids clogging of the filter. The MACS SmartStrainers easily fit into standard 15 and 50 mL conical tubes of all major suppliers. Their compact design facilitates sterile handling. One set contains 50 or 100 sterile and ready-to-use filters.

#### 1.3 Applications

- Generation of single-cell suspensions after tissue dissociation by removing cell aggregates or other large particles.
- Filtering of blood or bone marrow samples to remove cell clumps or other large particles.

#### 1.4 Technical specifications

- For single use only.
- Mesh size: 30 µm, 70 µm, or 100 µm, respectively.
- Reservoir volume: 16 mL.
- Filter area: about 7 cm<sup>2</sup>.
- Width: 37 mm.
- Height: 45 mm.
- Ventilation (avoids flow stop caused by pressure).

▲ Moisten MACS SmartStrainers with media or buffer before use.

▲ Avoid producing air bubbles during filtering.

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