

## Features and Benefits

- Caps designed for automation: reliable and fast automatic cap removal and replacement
- Caps proven down to -80°C: suitable for many biological samples as well as compound management
- High cap holding force: excellent seal integrity
- A range of 4 devices:
  - ACD96: Automatically cap and decap a whole tube rack
  - MCD8: Manually cap and decap a user selectable row of 8 tubes
  - MCA: Manually applies a cap mat to a rack of tubes and removes the webbing
  - MCD1: Manual cap and decap a single tube

The REMP<sup>®</sup> capping system allows multi-sip 96-way storage workflows at storage temperatures down to -80°C. The cap is designed specifically for automation; each cap is held securely in place until released by an automated or manual capper/de-capper.

Applications range from compound to DNA storage, both working and stock solutions as well as other biological liquids such as serum and other blood components.

## Easy Access to Samples

Samples can be secured within a REMP 96 Storage Tube Rack, in both the 300ul and 900ul tube versions, by applying a REMP Capmat<sup>™</sup>96 with an MCA (Manual Capmat Applicator) or by using ready capped tubes. The REMP Capmat96 has a high 'push out force' (for example compared to traditional cap mats) so that it remains securely in place during freeze/ thaw cycles or under some elevated internal gas pressures. It can be easily and repeatably removed and re-applied for access to samples without compromising itself, unlike other septum-caps."



## ACD96 (Automated Capper/Decapper, 96 Position)

### Technical Information

#### Performance:

- Automatically uncaps and re-caps all tubes within a 96 Storage Tube Rack (STBR96)
- Temporarily holds all caps that have been removed from an STBR96, while samples are accessed from uncapped tubes at another instrument
- Instrument can be integrated into an automated system or used as a standalone device
- Compact, lightweight and portable bench-top design

#### Performance:

- Cycle time: roughly 5s – 7s

#### Operating Requirements:

- Electrical: 120/230 VAC, 50/60Hz
- Air: 6 bar [87 psi] – filtered, oil-less compressed air
- Integration: digital I/O or RS232 (controlled via REMP ActiveX Device Interface Software)

#### Technical Specifications:

- Dimensions: 444mm x 187mm x 560mm [17.5" x 7.4" x 22"] (LxWxH)
- Weight: 26kg [57.3lbs]



## MCD8 (Manual Capper/ Decapper, Eight Position)

- Instrument that is able to remove and apply caps from an entire row of eight tubes
- Dial present on the instrument to specify which row to remove and apply caps
- Manual, lever-actuated operation is simple and easy-to-use
- Compact, lightweight and portable bench-top design
- Compatible with STBR96-900 and with adapter (included) STBR96-300

#### Technical Specifications:

- Dimensions: 391mm x 143mm x 313mm [15.4" x 5.6" x 12.3"] (LxWxH)
- Weight: 3.8kg



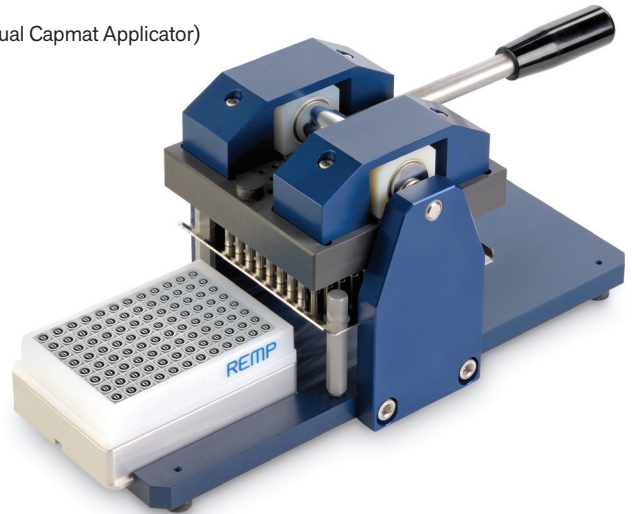
### MCA (Manual Capmat Applicator)

- Firmly applies the Capmat96 to tubes within a REMP 96 Storage Tube Rack while removing the webbing from the Capmat itself to create individually capped tubes.
- Manual, lever-actuated operation is simple and easy-to-use.
- Compact, lightweight and portable bench-top design.
- Requires no electrical or air connections.

#### Technical Specifications:

- Dimensions: 383mm x 163mm x 166mm [15" x 6.4" x 6.5"] (LxWxH)
- Weight: 6.8kg [15lbs]

MCA  
(Manual Capmat Applicator)



### MCD1 (Manual Capper/ Decapper, Single Position)

- Pen-like instrument that is used to manually remove and apply single caps to any tube.
- Manual, thumb-press operation is simple and easy-to-use.

#### Technical Specifications:

- Dimensions: 130mm x 87mm x 5mm [5.1" x 3.4" x 0.2"] (LxWxH)
- Weight: 0.2kg [0.4lbs]



### Accessories for an ACD96:

- 1800090 ACD96 - STBR96-300 Adapter  
Insert this into the ACD96 so that STBR96-300 tubes are at the correct height.
- 1800236 ACD96 - STBR96-900 Adapter  
Insert this into the ACD96 so that STBR96-900 tubes are at the correct height.
- 1800512 CAP-HOLDER 300  
Retain removed caps for re-use
- 1800514 CAP-HOLDER 900  
Retain removed caps for re-use
- 27074 CAP-REMOVER 300  
Dispose of caps after decapping
- 25644 CAP-REMOVER 900  
Dispose of caps after decapping



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