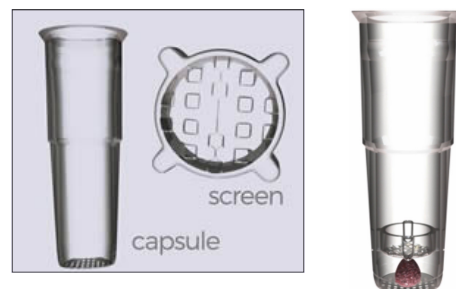


mPrep™ - A New System for Specimen Preparation & Grid Staining

The mPrep™ System efficiently processes samples for TEM, SEM, Cryo, CPD, Bio or Materials Science, or stains grids whilst protecting and keeping them intact. The system features two types of purpose-built, microlitre-volume capsules – one for specimens, the other for grids. Capsules attach to standard pipettors, which are used to conveniently deliver reagents in small measured amounts thus reducing reagent consumption. Users get consistent sample preparation with almost no direct handling of specimens and grids. **Once the tissue or grid is in its own labelled capsule, it does not have to be touched again during processing.** It is safe, easy-to-handle and clearly labelled. The system adapts to any protocol for bio-specimen preparation, grid staining or immunolabelling and Multi-Channel pipettors enable increased throughput with virtually no extra effort.

mPrep/s for Specimens



mPrep™ Capsules

mPrep/s™ Specimen Processing Capsules enclose the sample for TEM and SEM throughout the fixation, embedding and sectioning processes. Encapsulated specimens are protected from loss, misidentification and damage and the mPrep Workstation allows orientation of specimens within the capsule and facilitates workflow from dissection to reagent processing. Once the specimen is enclosed by the screen in the capsule no other mould is required as the capsule easily fits into the ultramicrotome chuck.

C413 mPrep/s™ capsule pack in storage box: 8 capsules, 12 screens, 8 blank labels

C413/1 mPrep/s™ bulk capsule pack: 96 capsules, screens and blank labels

C414 Screen insertion tool

mPrep/g™ Grid Staining Capsules can hold one or two TEM grids securely for heavy metal or immuno staining and labelled storage. Using a multi-channel pipettor up to 24 grids can be simultaneously stained with reagent consumption of just 20µl/grid and with minimal chance of grid damage or loss.

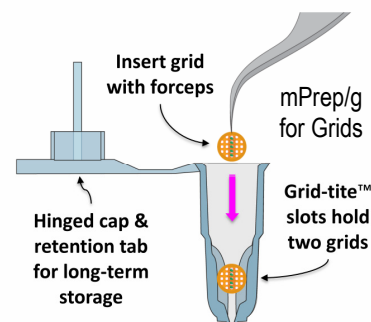
C415 mPrep/g™ grid capsule pack in storage box: 16 capsules, 16 blank labels

C415/1 mPrep/g™ 96 grid capsules, 96 label sets.

mPrep™ Filter couplers to prevent introduction of damaging reagents into Pipettors

F341 mPrep™/f30 standard filter couplers in capsule storage box (pack of 16)

F342 mPrep™/f13 extreme filter couplers in capsule storage box (pack of 16)



Insertion Tool



Filter Coupler

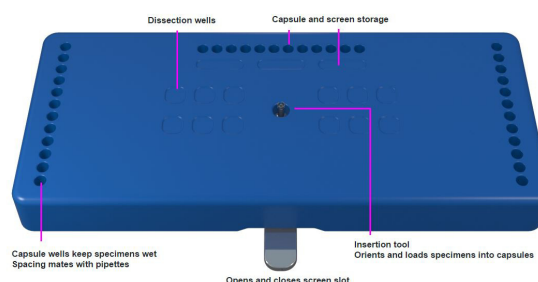


mPrep™ Workstation

The mPrep/s workstation (with integrated screen insertion tool) is made from soft, high density polyurethane (HDPE) which is durable and corrosion resistant ensuring a long working life. It is required for orientating specimens using mPrep's pinch method. We recommend the Workstation for all specimen preparation to take advantage of the following benefits.

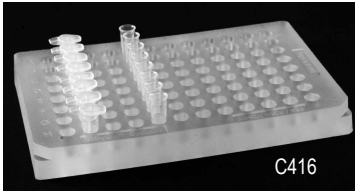
- Precise orientation in seconds
- Wet samples easy to handle
- Single focal plane keeps specimens in focus under the dissecting microscope
- Workstation layout facilitates efficient workflow
- Simultaneous loading of capsules onto pipettor for reagent processing
- Can be fully immersed for cleaning

W109 mPrep Workstation



5

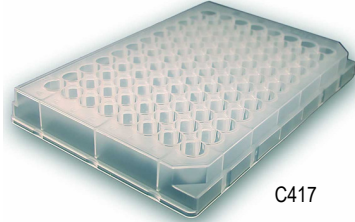
Specimen Preparation



C416

mPrep™ bench capsule rack holds *s* and *g* capsules in 96 well plate layout. Provides a tight seal to capsule bottoms for transfer of fluid filled capsules to ovens or incubators. Made from silicone, it is durable and autoclavable.

C416 mPrep Bench model 96s capsule rack each



C417

mPrep™ Microwell Plate for economical reagent delivery with mPrep capsules on 8 or 12 channel pipettors. Non sterile, chemically resistant polypropylene, 500µl per well.

C417 mPrep Microwell plate 96 place for 8 or 12 place pipettors pack of 10



R093

mPrep™ Reagent Reservoirs for efficient reagent delivery with 8 or 12 place pipettors. Chemically resistant, high density polyethylene (HDPE) 15ml volume

R093 mPrep Reagent Reservoir, non sterile, 15ml volume pack of 50

mPrep™ Pipettor Kits



P563/8

P563

P564/8

P564

8 and single channel pipettor kits for the efficient processing of specimens or staining of grids in bulk or singly. Each Includes pipettor, mPrep /s or /g capsule pack and 96 pipette tips.

For Specimens

P563 mPrep/s™ **single** channel specimen processing pipettor kit
P563/8 mPrep/s™ **eight** channel specimen processing pipettor kit

For Grids

P564 mPrep/g™ **single** channel grid staining pipettor kit
P564/8 mPrep/g™ **eight** channel grid staining pipettor kit

mPrep CPD™ Holder



CPD Holder processing for critical-point drying of up to 6 specimens in **mPrep/s** or **mPrep/g** capsules. Designed for use with a Samdri Tousimis CPD instrument with 1.25" Ø chamber.

C418 CPD holder for up to 6 specimen or grid capsules