DP sample preparation
The basis for comparable results in drop- ping and softening point analysis is re- peatable sample preparation. With the DP sample preparation tool this crucial step is perfectly supported. Thanks to the smart design 4 cups at a time can be prepared with powdered or liquified samples. Handling errors are minimized and operational security is maximized.

MP sample preparation
The capillary tool is perfect for accurate sample preparation. Small sample por- tions can easily be taken for simultane- ous and stepwise filling of up to 6 capi- laries. The peg-like design allows the capillaries to be bounced on a surface in order to compress the sample at the bottom. Upfront preparation and secure storage are greatly facilitated.

MP VPac™ – Fast security check
Save precious time with the ready-to-use capillaries of the MP VPac™, which are pre-filled with certified reference sub- stances to ensure efficient, error-free and traceable three-point temperature cali- brations ranging from 40 to 230 °C. The sealed capillaries provide ideal storage conditions over the whole shelf life of the reference substances.

Certified reference substances
Each of the METTLER TOLEDO high purity reference substances comes with certi- fied temperature values that are traceable to LGC standards. Accurate temperature calibration & adjustment for MP and DP Excellence instruments in the range of 40–360 °C is provided for reliable melt- ing, dropping and softening point measurements.

The Right Accessories
The comprehensive and useful MP and DP acces- sories from METTLER TOLEDO facilitate and secure a crucial part of the melting, dropping or softening point determination: the sample preparation. Robust and smart sample preparation tools speed up preparation, increase operational security and avoid unnecessary measurement repetition. Certified reference substances provide an efficient way like an ordinary measurement to verify the instrument’s accuracy over the whole speci- fied temperature range. With the unique MP VPac™ valuable time is saved in the melting point instrument calibration & adjustment process as upfront prepara- tion is not required thanks to prefilled capillaries.

Reliable Melting and Dropping Points
Ensured by Smart Accessories
Melting Point Accessory Box

Order number | Content
---|---
51142599  | • 300 empty melting point capillaries, incl. tamping wires  
| | • Reference substances (Benzophenone, Benzoic acid, Saccharin), 5 g each, incl. certificate  
| | • 1 agate pestle & mortar  
| | • 2 capillary filling tools  
| | • 1 spatula  
| | • 1 pair of tweezers

USP Melting Point Accessory Box

Order number | Content
---|---
30312725  | • 300 empty melting point capillaries, incl. tamping wires  
| | • USP reference substances (caffeine, vanillin, acetanilide), 1 g each  
| | • 1 agate pestle & mortar  
| | • 2 capillary filling tools  
| | • 1 spatula  
| | • 1 pair of tweezers

Dropping Point Accessory Box

Order number | Content
---|---
51143740  | • 1 DP sample preparation tool  
| | • 2 handle to hold preparation tool  
| | • 2 tamping rods to press solid ground samples into dropping or softening point cups  
| | • 2 softening and 2 dropping point cups made of chromium-plated brass  
| | • 2 steel balls according to ASTM D 6090  
| | • 2 cup lids to close the sample-containing cups  
| | • 6 glass cups for collection of liquefied or softened samples  
| | • Sample carrier  
| | • 1 stand that holds two sample carriers  
| | • 1 spatula  
| | • 1 steel rod according to ASTM D 556  
| | • Benzoic acid reference substance, 5 g

MP VPac™

Order number | Content
---|---
30097033  | • 3 x 50 sealed capillaries filled with reference substances Phenyl salicylate, Benzoic acid, Saccharin

Reference Substances

<table>
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<tr>
<th>Order number</th>
<th>Substance</th>
<th>Quantity [g]</th>
<th>Approx. Melting Point [°C]</th>
<th>Suitable for Dropping Point Calibration</th>
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<td>Vanillin</td>
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<td>USP Acetanilide</td>
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<td>Benzoic acid</td>
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<td>Saccharin</td>
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<td>Sodium methanesulfonate</td>
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