

Reliable Melting and Dropping Points Ensured by Smart Accessories



MP sample preparation

The capillary tool is perfect for accurate sample preparation. Small sample portions can easily be taken for simultaneous and stepwise filling of up to 6 capillaries. 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.



DP sample preparation

The basis for comparable results in dropping and softening point analysis is repeatable 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 VPac™ – Fast security check

Save precious time with the ready-to-use capillaries of the MP VPac™, which are pre-filled with certified reference substances to ensure efficient, error-free and traceable three-point temperature calibrations 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 certified 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 melting, dropping and softening point measurements.



The Right Accessories

The comprehensive and useful MP and DP accessories 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 specified temperature range. With the unique MP VPac™ valuable time is saved in the melting point instrument calibration & adjustment process as upfront preparation is not required thanks to pre-filled capillaries.

Melting Point Accessory Box

Order number	Content
51142599	<ul style="list-style-type: none"> • 300 empty melting point capillaries, incl. tamping wires • Reference substances (Benzophenone, Benzoic acid, Saccharin), 5 g each, incl. certificate • 1 agate pestle & mortar • 5 capillary filling tools • 1 spatula • 1 pair of tweezers



USP Melting Point Accessory Box

Order number	Content
30312725	<ul style="list-style-type: none"> • 300 empty melting point capillaries, incl. tamping wires • USP reference substances (caffeine, vanillin, acetanilide), 1 g each • 1 agate pestle & mortar • 5 capillary filling tools • 1 spatula • 1 pair of tweezers



Dropping Point Accessory Box

Order number	Content
51143740	<ul style="list-style-type: none"> • 1 DP sample preparation tool • 1 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	<ul style="list-style-type: none"> • 3 x 50 sealed capillaries filled with reference substances Phenyl salicylate, Benzoic acid, Saccharin



Reference Substances

Order number	Substance	Quantity [g]	Approx. Melting Point [°C]	Suitable for Dropping Point Calibration
30034252	Phenyl salicylate	5	41.8	yes
18870	Benzophenone	5	47.8	yes
51143093	Vanillin	5	81.7	yes
30312727	USP Vanillin	1	81.7	no
30312728	USP Acetanilide	1	114.0	no
18555	Benzoic acid	5	122.4	yes
30130597	p-Toluamide	5	159.1	yes
51143091	Saccharin	5	228.3	no
30130598	Methyltriphenylphosphoniumbromide	5	232.4	yes
30312726	USP Caffeine	1	236.9	no
30130599	Sodium acetate	5	329.4	yes
51143095	Potassium nitrate	5	334.0	no
30130610	Sodium methanesulfonate	5	353.4	no



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For more information

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