

50 mL Digestion Vessels and Accessories



Digestion vessels (both MP-108 and MP-115) are certified to class A volume accuracy, include a metals background report and are compatible with leading brand graphite block digestion systems.

- 500 vessels/case
- Made from virgin polypropylene (PP)
- Excellent visibility
- Very good resistance to acids
- Molded-in graduations are in 5 mL increments to 50 mL.
- Each shipment comes with a certificate of volume accuracy stating the tubes meet Class A tolerance at all graduation lines
- Total capacity of 63 mL
- Extremely low leachable metal content; each shipment comes with a metals background report
- Fit leading brand graphite digestion block systems
- Can be used as a digestion vessel, graduated cylinder, volumetric flask, autosampler tube, or storage container
- Screw caps are available in blue, white, grey and natural
- We also offer reflux caps (MP-112) and ribbed watch glasses (MP-121)

Notes:

We make two versions of our 50 mL digestion vessel – MP-108 and MP-115. The primary difference between the vessels is material. The MP-108 is made from polypropylene random copolymer (PP-CO)

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making it clearer with superior impact strength and is ideally suited for ICP-OES applications. The MP-115 is made from a polypropylene homopolymer (PP-H) which has lower impact strength but will withstand higher temperature. Most important to many of our customers - the material used to make the MP-115 has very low background metals levels making it a better choice for ICP-MS applications.

Many digestions require a temp of 95c however some labs set the block temps higher. At ~105c + the MP-108 has some surface softening and cloudiness. While this does not affect tube integrity it may impact graduation legibility. Our MP-115 was developed in part as a response to this issue/concern and will withstand temperatures of 130c with no impact on graduation legibility.

Our 50 mL vessel products fit the following digestion blocks systems:

- EE HotBlock
- SCP Science Digi Block
- LabTech DigiBlock
- Questron Qblock
- Seal Analytical/Thomas Cain SmartBlock II
- Seal Analytical/Thomas Cain Deena II

Both MP-108 and MP-115 can be used with Environmental Express FilterMate accessory. Neither will work with Environmental Express FlipMate or SCP Science DigiFILTER accessories due to differences in cap tread.

MP-112 reflux cap is equivalent to Environmental Express SC506.

MP-121 ribbed watch glass is equivalent to Environmental Express SC505 and SCP Science 010-500-081.