

MP Biomedicals

Metal Lysing Matrix Tubes



Stainless Steel Tubes

Ideal for Grinding,
Lysis and Homogenization
of your Most Resistant Samples!



www.mpbio.com/lysingmatrix



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MP Biomedicals Europe

Stainless Steel Lysing Matrix Tubes

The Ideal Choice!

Stainless Steel Lysing Matrix Tubes are ideal for grinding, lysis and homogenization of your most resistant samples! Constructed from 308 SS, these tubes and grinding matrix are tough enough to stand up to the most demanding mechanical punishment that can cause traditional thermoplastic tubes to crack. Our tubes are machined from premium grade billet and deliver superior strength over less expensive production methods such as deep-drawn aluminum tubes. An oblique angle conical bottom provides a better impact surface than the rounded bottoms of deep-drawn tubes.

The stainless steel threaded cap provides a leak-proof closure without the energy-robbing alternatives like plastic flange screw caps or rubber stoppers. A Teflon O-ring prevents leakage, and can be cleaned with detergent and/or autoclaving, or replaced entirely between samples. Machined knurls on the cap provide a firm grip to easy opening and closing.

Two different impactors are available, a single Stainless Steel Ball, ¼" diameter; or a Stainless Steel Cylinder, ¼" diameter x ½" length.

Applications:

- ▶ Dry grinding very tough or hard samples where heat generated can damage plastic tubes
- ▶ Cryogenic dry grinding where severe cold temps (dry ice or LN2) can damage plastic tubes
- ▶ Milling or grinding non-biological samples where plastic contamination is of concern
- ▶ Sample processing with solvents or chemicals that are incompatible with plastics

Research Areas and Sample Types:

- ▶ **Environmental and Agriculture**

Tough seeds such as Dried Corn, Soybeans, Wheat, Tomato and Chile; Wood, Bark, Roots, animal claws and hooves

- ▶ **Forensics**

Bone, Teeth, Hair, Fingernails, non-Biological substrates

- ▶ **Cancer and Disease**

Tough tissues, Bone, Cartilage, Skin,

- ▶ **Industrial**

Non Biological, Rocks and Minerals, Plastics and Composites, Printed Circuit Boards, Wood and Building Materials

Application Notes:

Comparison of Dried Corn Kernel Processing

Lysing Matrix M tube, SS Tube (2X) and SS ball, SS Tube with SS Cylinder.



FastPrep-24™ settings: Speed 4.0 M/S, 5 Second run.



Cat. No.	Description	Pack Size
116991002	Metal Lysing Tube, 2 ml, w/ Grinding Ball	2 Each
116991003	Metal Lysing Tube, 2 ml, w/ Grinding Ball	3 Each
116991006	Metal Lysing Tube, 2 ml, w/ Grinding Ball	6 Each
116992002	Metal Lysing Tube, 2 ml, w/ Grinding Cylinder	2 Each
116992003	Metal Lysing Tube, 2 ml, w/ Grinding Cylinder	3 Each
116992006	Metal Lysing Tube, 2 ml, w/ Grinding Cylinder	6 Each
116990100	Replacement O-rings for Metal Lysing Tube, 2 ml	100 Each

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