Super FastPrep-2
Hand Held Tissue Homogenizer

Lyse your samples in 5 Seconds!

For the Extraction of DNA, RNA and Proteins

Point of Use
- Lab or Field
- Biological Containment Environments

Uses standard 2 mL screw cap tubes for lysis.
Compatible with all FastPrep Lysing Matrices.
Compatible with all FastPrep purification kits.
Omnidirectional motion with the highest G’s!

Includes:
- One (1) Super FastPrep-2 unit.
- One (1) Rotary tool
- Two (2) Lithium Ion Rechargeable Batteries
- One (1) Battery Charging Station
- Ten (10) samples of MP Lysing Matrices
- Four (4) tube support plugs
- User Manual

MP Biomedicals - It’s What’s Inside That Counts!

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This workflow shows the dry grinding of a dried corn kernel, one of the most difficult agro/bio samples to process. To demonstrate the quality of lysate we performed complete DNA purification followed by analysis with a NanoDrop spectrophotometer and a BioAnalyser system from Agilent Technologies. An MP Bio Lysing Matrix A tube with two ¼ inch ceramic balls was used for grinding and a Zymo Research Plant/Seed DNA MiniPrep kit for DNA extraction and purification. After lysis, the sample was centrifuged and the supernatant was processed manually using a bind-wash-elute column based protocol as described in the kit. The resulting BioAnalyser image is presented, together with the DNA quantification data. At 5 seconds, the high quality and quantity of extracted DNA with low shearing is evident. At the longer grinding times, increased DNA shearing as well as decreased average molecular weights were observed.