

# SUPER FASTPREP-2™

## Portable Bead Beating Sample Lysis Instrument

The Super FastPrep2™ is a compact, cordless, hand-held instrument designed to quickly and efficiently homogenize, grind, or lyse biological and environmental samples. It can be used at remote locations and in most weather conditions for the immediate collection, processing, and preservation of samples. Lyse any tough or frozen sample in 5 seconds while still maintaining high yields of intact DNA, RNA and proteins.

A completely self-contained system, Super FastPrep-2 eliminates the risk of cross-contamination and time-consuming clean-up associated with manual lysis methods. The device holds two standard 2 mL screw cap Lysing Matrix tubes optimized for a wide selection of sample types. Included with the unit is a rotary handle, two lithium-ion rechargeable batteries, charging station, voltage converter, and protective carrying case.



Fisher Scientific Cat. No. MP116012500

### Specifications

Disruption Principle	Bead Beating
Power Requirements	90-240 V for battery charger, cordless operation
Dimensions	13"L x 3.4"W x 4.6"H
Weight	2.2 kg
Capacity	2 x 2 mL Tube
Speed	500 – 4,400 cpm
Motion	Reciprocating
Typical Run Time	2 – 15 sec at 3,300 cpm
Sample Volume	Up to 200 mg in 1 mL buffer

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### Key Features and Applications

- ▶ Handheld, cordless sample preparation instrument for lab and field use
- ▶ Omni-directional motion with high speed settings
- ▶ Compatible with most 2 mL tubes containing lysing matrix
- ▶ Lyse, homogenize or grind virtually any type of biological sample:
  - Microbes in soil, sediment, sludge and feces
  - Fungi
  - Algae
  - Plant
  - Animal Tissue
  - Additional hard, tough and brittle samples
- ▶ Obtain high yields of intact DNA, RNA and protein, ready for purification and downstream analysis

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