



C3 PROZESS- UND
ANALYSENTECHNIK GmbH

PRODUKTINFORMATION

SPEX SamplePrep 6870D Freezer/Mill®

6870D

Freezer/Mill®Tissue Homogenization
and Cell LysisGrinding and
Pulverizing

HIGHER THROUGHPUT FOR CRYOGENIC GRINDING



The 6870D Freezer/Mill® is a high-throughput, dual chamber cryogenic grinder with a self-contained liquid nitrogen tub and insulated case. It chills samples in liquid nitrogen then pulverizes them with a magnetically driven impactor. It accommodates samples in the 0.1 gram to 100 gram range per grinding chamber.

TYPICAL SAMPLES

Typical samples include plant & animal tissue, seeds, polymers, pharmaceuticals, food products, electronic components, textiles, hair, teeth and bone.

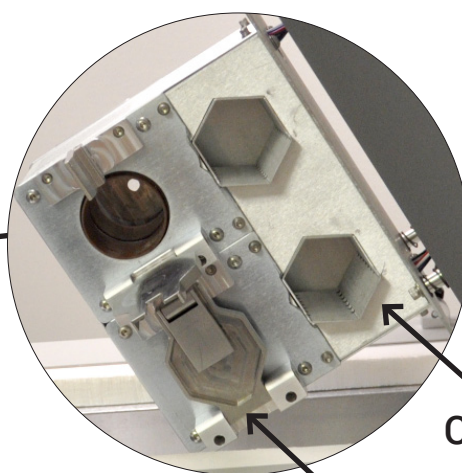
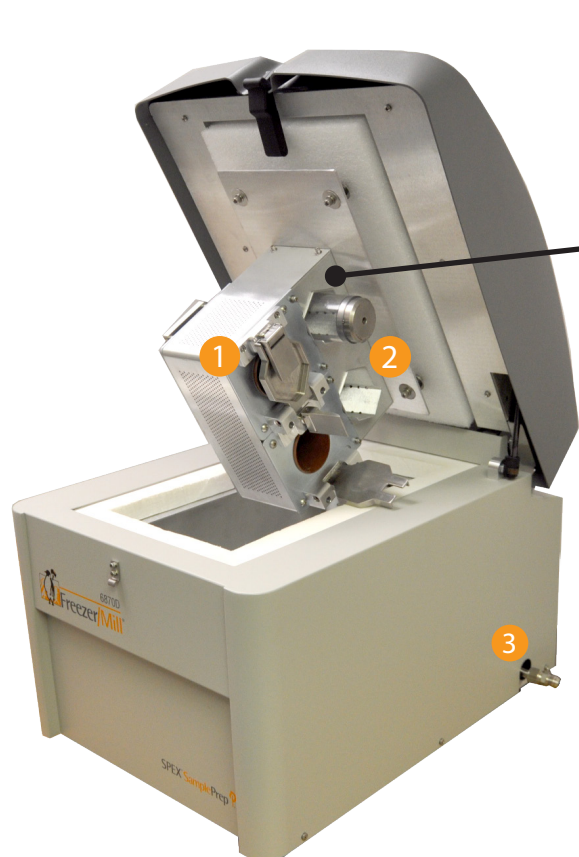
FEATURES AND BENEFITS

- Dual grinding and cooling chambers allow you to pre-cool and grind 2 sets of samples simultaneously.
- Sample maintains low level temperatures due to continuous immersion in liquid nitrogen.
- Heat sensitive metabolites, isomers and complex molecules retain their composition as they are not degraded by heat or pressure.
- Vial reaches approximately -100°C in one minute, -196°C in 4 ½ minutes.
- Touch-screen interface for easy usage
- Maintenance-free design with only one moving part.

**WATCH OUR VIDEOS!**

Scan this QR code with your smartphone
or visit www.youtube.com/sampleprep.

SPEX® SamplePrepwww.spexsampleprep.com/freezermill



Cooling
Chambers

Grinding
Chambers

6870D

Freezer/Mill®



1. Dual grinding chambers hold a total of 200 grams of sample. (100 grams per chamber.)
2. Dual pre-cooling chambers keeps samples at the appropriate temperature while other samples are grinding.
3. Comes with auto-fill attachment for liquid nitrogen but also has the ability for manual fill.
4. Removable control panel with touch screen interface for ease of use. Stores up to 10 grinding protocols.
5. Safety features include LN sensor and lid interlock. The grinding process will stop if the lid is opened while running.

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