

INTRODUCING the  
SPEX SamplePrep



# 6770

## FREEZER/MILL®

Because  
breaking up  
is hard  
to do

SPEX SamplePrep's family of Freezer/Mills are cryogenic laboratory mills which chill samples in liquid nitrogen and pulverize them with a magnetically driven impactor. The SPEX SamplePrep Freezer/Mills have been recognized as the world's most effective laboratory mill, the "mill of last resort" for many normally impossible to grind samples.

■ **DNA/RNA extraction**—bone, teeth, hair, skeletal material—recent or ancient, plant and animal tissues, leaves, etc. Sample maintains low level temperatures due to continuous immersion in liquid nitrogen.

■ **Pharmaceutical Analysis/Drug Testing**—heat sensitive metabolites, isomers and complex molecules retain their composition as they are not degraded by heat or pressure.

■ **Volatile Compounds**—Insures retention of volatile components.

■ **Medical Research**—Pulverizing fresh sterilized bone to produce bone cement, grind implant materials for toxicity testing, tissue homogenization.

■ **WEEE/RoHS**—Embrittles sample to improve breaking properties, avoid frictional heat, while ensuring volatile fractions are not adversely affected.

■ **Plastics/Polymers**—Cryogenic temperature allows sample preparation for difficult to grind plastics and polymers.

Another cool  
idea from...

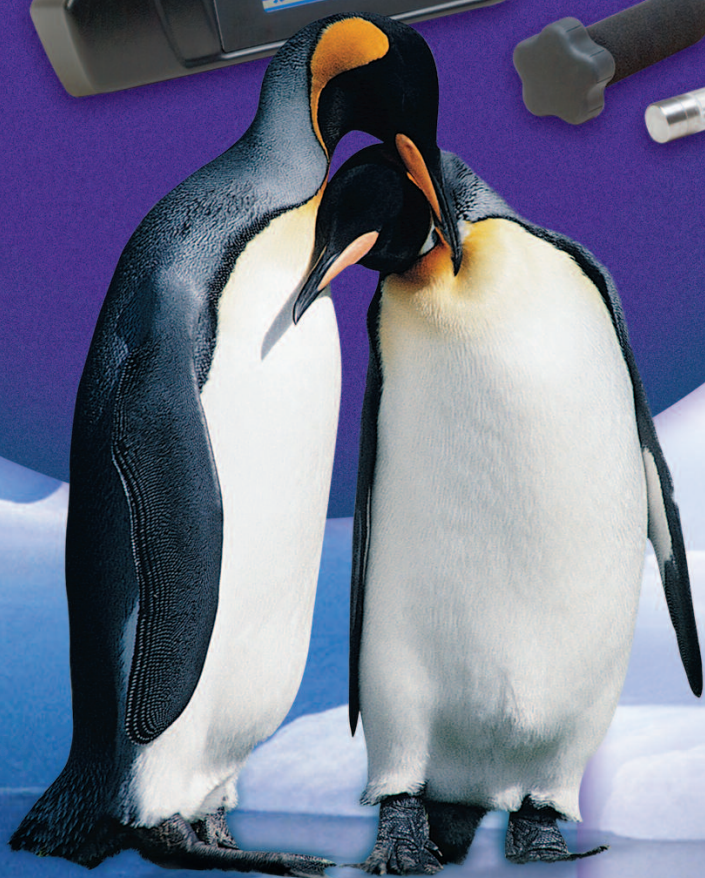
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CHEMLABOR, S.L.  
Poligono de Asipo  
C/A Parcela 4 Nave 7  
33428 Llanera (Asturias)

Tel. 985 73 22 93 - Fax 985 26 85 27  
e.mail: info@chemlabor.es  
www.chemlabor.es





**SPEX SamplePrep**



# 6770

**FREEZER/MILL®**



Your sample preparation problems can be put on **ICE.**

TO ORDER CALL:  
**800.522.7739**  
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**SPEX**  
**SamplePrep**  
Member SPEX CertiPrep Group

203 Norcross Avenue • Metuchen, NJ 08840

Tel: 732.549.7144 • Fax: 732.906.2492

**800.522.7739 (800.LAB.SPEX)**

E-mail: [sampleprep@spexcsp.com](mailto:sampleprep@spexcsp.com)

**Online Ordering**

[www.spexcsp.com](http://www.spexcsp.com)

## Because breaking up is hard to do...

### ACCURACY

- Maintain Sample Temperature—Sample NEVER leaves the enclosed liquid nitrogen bath.
- Vial reaches -100°C in one minute—four 1/2 minutes to -196°C.
- Sample Integrity—Sample processed in a separate self contained grinding vial.
- Vials can be cleaned or disposed of—eliminate contamination.

### VERSATILITY

- Touch screen interface for flexibility.
- Removable control panel.
- On board self diagnostics.
- Interconnectivity to a PC and/or the WEB with a USB and RS232 connectors—Can download programs and factory troubleshooting anywhere in the world.
- Can store up to 50 grinding Protocols.

### DURABILITY

- Maintenance-free design, only 1 moving part.
- Backed by SPEX SamplePrep's 50+ years of experience.

### SAFETY

- Hinge safety switch for safety interlock.
- Temperature sensor to determine low Liquid Nitrogen—System will alarm and turn mill off to prevent coil damage.
- CE Compliant.

**6770 Freezer/Mill® comes with 6754 Extractor/Vial Opener and 6755 Vial Rack.**

**Grinding vials and accessories sold separately.**

**Features & Benefits**