



Mills, freezer/cryogenic grinder



Ideal for preparing samples for DNA/RNA, extraction, pharmaceuticals, mineralogical studies, medical research, plastics, polymers, plant and animal tissues, bone and heat sensitive materials. Both models are supplied with a self contained liquid nitrogen tub and insulated case.

Model 6770

- Sample size 0.01g to 5.0g
- Chills samples to liquid nitrogen temperatures
- Separate closed grinding vials eliminate cross contamination and maintain sample temperature during grinding
- Holds one sample vial for grinding, with the capacity for holding two additional vials in a pre-cooling chamber
- Equipped with speed control, programmable timer and safety interlock
- Includes grinder, extractor/vial opener, one vial rack and power supply, touch screen, USB port fault diagnostic capability and 50 grinding programme memory

Model 6870

As 6770 model but with the following differences

- Sample size 1.0g to 100.0g and 0.1g to 5.0g with multi-vial adapter (12554787)
- Holds one large capacity sample vial or four smaller vials for grinding, (see ordering information below) with the capacity for holding one large capacity or four smaller vials in a pre-cooling chamber

Ordering procedure:

- (1) Select vial size (11914648, 12518696 or 12528696)
- (2) Select mill, depending on vial size selected
- (3) Select multi-vial adapter (12554787) if required

Technical Specification - Specific

Model No	6770	6870
Sample quantity	0.01g to 5.0g	0.1g to 100.0g
Dimensions [w x d x h], mm	530 x 580 x 580	520 x 550 x 460
Mass, kg	46	20

Catalogue No	Legacy No	Model No	Description
12500916	-	6770	Mill with extractor/vial opener and one vial rack
12839045	-	6870	Freezer mill 6870, includes extractor/vial opener and vial rack (for small grinding vials)

Accessories and spare parts

Catalogue No	Legacy No	Description	For use with
11914648	-	Vial set, makes one complete vial, plus three spare centre sections, capacity 0.5mL to 4mL	12500916 or 12839045
12518696	-	Set of 3 micro vials, 0.1mL to 0.5mL per vial	12500916 or 12839045
12510196	-	Chromium-6 free steel vial for RoHS applications	12500916 or 12839045
12528696	-	Vial set, makes one complete vial, plus three spare centre sections, capacity 5mL to 50mL	12839045
12554787	-	Multi-vial adapter	12839045



Mills, cryomill



Ideal for size reduction, mixing, homogenisation, cell disruption of 20mL samples (or less) including animal feed, bones, chemical products, food, hair, oil seeds, paper, plant materials, plastics, sewage sludge, soils, tablets, textiles, tissue, waste samples, wood and wool etc.

- Powerful and quick grinding down to nano range
- 3 different grinding modes (cryogenic, dry or wet at ambient temperature)
- Closed LN₂ system (autofill) for enhanced safety, avoids any contact of the user with LN₂
- Screw top grinding jars for convenient, leak proof operation
- Wide range of accessories including various LN₂ feeding systems, jar and ball sizes, adapter racks and materials
- Low LN₂ consumption

Cryogenic mill for sample preparation through size reduction, mixing, homogenisation and cell disruption.