

## Cole-Parmer® CG-900 Cryo-Blade™ Cryogenic Grinder



Breakthrough, automated processing from bulk  
to test portions in 15 minutes or less

- **High-throughput** – process up to 1 kg of sample per run
- **Efficient** – complete a method in 15 minutes or less
- **Versatility** – capability to use liquid nitrogen or dry ice to process your sample
- **Safety** – automated dispensing of liquid nitrogen eliminates the handling and manipulation of liquid nitrogen (patent pending)

### More Sample, Less Time, Better Yield

The Cryo-Blade is an ultra high-capacity cryogenic grinder for comminution and processing capability up to 1 kg. The homogeneity of the sample is very efficient. Only 1 g is needed as a representative test sample from a 1 kg ground batch. The high-throughput capability saves valuable time for your laboratory and meets Food and Drug Administration (FDA) regulations. The Cryo-Blade automatically dispenses liquid nitrogen to allow the sample to reach cryogenic temperatures and then activates a grinding phase to pulverize samples, resulting in repeatable and reproducible sample preparation. No liquid nitrogen handling required.

When liquid nitrogen is not desired or available, the unit can be used with dry ice to achieve desired results.

Automatic and programmed modes are available. In automatic mode, parameters are set based on the volume of the sample. Programmed mode allows users to save up to 10 methods. The intuitive interface includes 12 languages.

# CG-900 Cryo-Blade

The insulated outer bowl, mechanical locking lever, and sensors provide the user with a safe, consistent, and reliable sample each use. The removable 5 L inner bowl can accommodate samples up to 1 kg and allows samples to be stored in the freezer, giving the user the option of using a second bowl to prepare a new batch. The outer bowl is insulated to allow safe touch at all times, although it is recommended to use protective gloves.

**Typical applications include:** analysis of organic pollutants in food products (pesticide residues), QuEChERS

The unit accommodates an extensive range of both dry and wet samples from watermelon to the toughest of samples such as muscle tissue.

## Sample Types Include



Fruits



Vegetables



Seeds

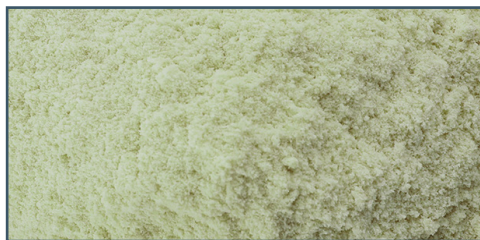


Fungi



Animal Tissue

## Before & After Samples – Broccoli



## Before & After Samples – Watermelon



# CG-900 Cryo-Blade

## Specifications

Max Grinding Speed	3600 rpm
Mixing Speed	180 rpm
Sample Volume	1 kg
Interface	12 languages
Voltage	115 VAC, 20 A or 230 VAC, 10 A
Dimensions	91.4 cm x 68.6 cm x 101.6 cm (36 in x 27 in x 40 in)
Net Weight	50 kg (110 lb) (without grinding bowl)
Warranty	3 years
What's Included	Cryo-Blade unit, insulated outer bowl, inner bowl, cryogenic processor lid with blade, USB memory stick, and instruction manual

## Ordering Information – Equipment

Description	Electrical	Item Number
Cryo-Blade Cryogenic Grinder	115 V	61211-71
Cryo-Blade Cryogenic Grinder	230 V	61211-72

## Ordering Information – Accessory

Description	Item Number
Cryogenic Processor Inner Bowl, 5 L	61211-70
Cryogenic Processor Blade	61211-69



Cryogenic Processor Inner Bowl, 5 L



Cryogenic Processor Blade

## Need a Demo?

- Virtual sample processing – virtual demonstration of the equipment and sample processing
- Physical sample processing – physical testing of your sample with shared results
- Physical equipment testing – a demo unit can be sent to your facility to test before purchasing

Contact us today at [sampleprep@antylia.com](mailto:sampleprep@antylia.com) for details.

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