

Applications

- High throughput disruption of animal tissue, plant tissue, and microorganisms in deep well plates for DNA, RNA, and protein isolation.
- Homogenization of hard-to-grind samples such as seeds and bone in 24 well vial sets.
- Processing of large samples and pooled seeds in 15 ml polycarbonate vials.
- Mixing and emulsification of viscous liquids.

Description

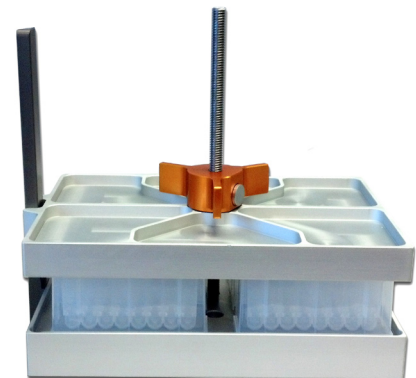
The Geno/Grinder® 2010 is the next generation of a widely accepted homogenizer for high throughput sample disruption. It is very effective for the disruption of microorganisms, tissues, and matrices. Designed for microwell plates, vial sets, and tubes, the Geno/Grinder® 2010 now is smaller and more powerful. The powerful 1750 strokes per minute platform provide energy to grind even seeds, kernels, and bone. Small tissue samples and leaf punches can be homogenized in minutes in 96 well formats for subsequent processing by automated workstations. Larger vials can accommodate up to 15 corn kernels for field trials, making the Geno/Grinder® 2010 useful for individual and pooled sample preparation.

Benefits

- New, small footprint and quiet operation
- Processes samples in microwell plates, deep well plates, microfuge tubes and vial sets
- Speed range from 500 to 1750 rpm
- Linear motion assures all samples are processed the same
- Adjustable clamp assembly allows for grinding in standard 15 and 50 ml conical tubes



Eliminate the bottleneck of sample homogenization while increasing the efficiency of disruption



New adjustable clamp assembly included.

Geno/Grinder 2010 – Applications and Accessories

Key Features

- Linear, horizontal processing motion which is effective for all samples.
- Dynamic speed of 500 to 1750 cycles per minute.
- Digital timer for runs up to 20 minutes.
- Platform that allows for deep well plates, vials, and microfuge tubes.
- Powerful acceleration that allows for the homogenization of hard samples such as corn kernels, bone, and fibrous tissue.
- Aluminum Cryo-Blocks allow for highthroughput cryogenic grinding.

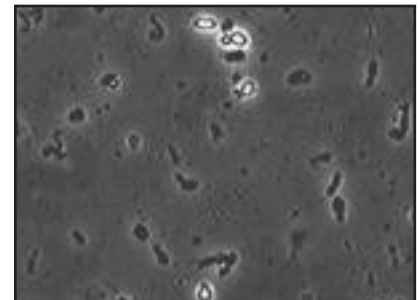
Examples of Samples Disrupted with the Geno/Grinder® 2010



Corn Kernels



Mouse Muscle



Saccharomyces

Part Number	Description	Qty	Price
SP 2010	Geno/Grinder® 2010	1	\$14,999
Geno/Grinder® 2010 Accessories			
SP 2189T	Stacking Tray for Adjustable Clamp Assembly* *Required for stacking of microwell plates/vial sets	Set of 2	\$50
SP 2660	Cryo-Block for 15 ml Vial Set	Set of 2	\$363
SP 2661	Cryo-Block for 15 ml Conical Bottom Centrifuge Tubes	Set of 2	\$568
SP 2662	Cryo-Block for 24 Well PC Vial Set	Set of 2	\$336
SP 2664	Cryo-Block for 50 ml Conical Bottom Centrifuge Tubes	Set of 2	\$552
SP 2650	Cryo Adapter for Deep Well Plates	1	\$471
SP 2197	Holder for 15 ml Conical Centrifuge Tubes	1	\$41
SP 2196	Holder for 50 ml Conical Centrifuge Tubes	1	\$41
SP 2190	Vial Rack for Microfuge Tubes	1	\$401
GBSS 156-5000-01	Grinding Balls, Stainless Steel	5000	\$476
PCVS 04-240-02	24 Well Polycarbonate Vial Sets w/ Unlined Caps	Case of 240	\$288
PCVS 04-240-03	24 Well Polycarbonate Vial Sets w/ Lined Caps	Case of 240	\$311
PEVS 04-240-04	24 Well Polyethylene Vial Sets w/ Unlined Caps	Case of 240	\$268
PEVS 04-240-05	24 Well Polyethylene Vial Sets w/ Lined Caps	Case of 240	\$285
PCVS 15-050-01	15 ml Polycarbonate Vial Sets w/ Unlined Caps	Case of 50	\$284
PCVS 15-050-22	15 ml Polycarbonate Vial Sets w/ Lined Caps	Case of 50	\$294
DPSW 96-05	Deep Well Plates, 96 Square Wells, Polypropylene	Case of 24	\$128
SMSW 96-07	Sealing Mat for 96 Deep Well Plate, Square Wells	Case of 24	\$104
DPRW 96-06	96 Well Tubes, Round, Racked, 1.2 ml, Polypropylene	Case of 10	\$62
SCRW 08-09	Strip Caps (8) for 96 Tube Plate, Round Wells	Case of 120	\$24
SMRW 96-08	Sealing Mat for 96 Deep Well Plate, Round Wells	Case of 10	\$54

-Pricing for 2014-