

HOMOGENIZE 24 TISSUE/CELL SAMPLES AT ONCE



THE BULLET BLENDER™

Mix, Disrupt, or Homogenize Tissues, Cells

The **BULLET BLENDER™ BLUE 50** (left) handles up to nine samples in 50mL tubes. The original **BULLET BLENDER™ BLUE** (right) does up to twenty-four microcentrifuge tube samples. **Air Cooling™** technology preserves sample quality in **BLUE** models.

- > HIGH THROUGHPUT
- > NO CROSS CONTAMINATION
- > SAMPLES STAY COOL
- > HIGH VALUE
- > RISK FREE



Applications: cell cultures to tough tissue, including: yeast, E. coli, tumors, heart muscle, hair, liver, kidney, brain, lung, skin, eye, other organs, cartilage, mouse/rat tails, embryos, *C. elegans*, and more, and long duration vortexing such as phenol chloroform extraction.

The **Bullet Blender™** family of products uses patented “striking” technology to mix samples. The “bullets” in the instrument (i.e. plastic spheres) repeatedly strike the tubes at a speed and duration you specify. By hitting the tubes thousands of times per minute, the instrument induces vigorous motion of the substances inside the tubes, providing efficient mixing. With beads inside the tubes, you can homogenize or disrupt tissues and cells. You control the mixing by adjusting the speed and time settings

- > **HIGH THROUGHPUT:** Multiple sample vortexing or homogenizing now occurs in parallel. That means your work is done in a faster, more consistent manner. Plan lots of experiments, not lots of grunt work!
- > **NO CROSS CONTAMINATION:** No probes, no open tubes during processing, enough said!!

> **SAMPLES STAY COOL:** The power in **BULLET BLENDER™** comes from a small DC motor inside, so it does not heat up individual sample tubes like sonicators do. There are no large moving parts like brackets or plates, so the instrument is small and will last for years. **Air Cooling™** keeps the samples even cooler, especially when working with large numbers of samples in multiple rounds or when using the instrument for longer times (e.g. with the 50 mL tubes).

> **HIGH VALUE:** The simple, reliable design of the **BULLET BLENDER™** enables these instruments to sell for one half to one fifth the price of ultrasonic or other agitation based instruments, yet provides an easier, quicker technique to homogenize tissue.

> **RISK FREE PURCHASE:** Comes with a 30 day money back guarantee and a 2 year warranty.

NEXT>>>ADVANCE
INNOVATIVE PRODUCTS • BETTER WORKFLOW
ACCURATE RESULTS • www.nextadvance.com

24 Prospect Avenue
Averill Park, NY 12018, USA
Telephone: 800-738-1681
Fax: 518-674-0189

HOMOGENIZE 24 TISSUE/CELL SAMPLES AT ONCE

THE BULLET BLENDER™

INNOVATIVE PRODUCTS • BETTER WORKFLOW • ACCURATE RESULTS

FEATURES:

Capacity: 24 microcentrifuge tubes or 9 of 50 mL tubes, depending upon model.

Size: 8 inch (20 cm) diameter by 7.5 in. (19 cm) high.

Environment: Operational in constant 4°C to 60°C (cold rooms and incubators). Avoid condensation.

Power: CE certified 24V DC plug transformer. Plug configurations available for countries worldwide.

Timer: Electronic timer can be set for 1 to 5 minutes (microcentrifuge tubes) or 3 to 15 minutes (50 mL tubes), "Start" switch acts as a or "zip on" (i.e. momentary on).

Speed control tunes the strength of the agitation.

Process time: from 1 to 5 minutes for microcentrifuge tubes; 3 to 15 minutes for 50 mL tubes. Examples: mixing and resuspension of media in 12-15 sec., homogenization of yeast cells in 3 minutes, liver and muscle in 2 minutes with beads. Protocols for many tissues and cell cultures are on line and technical support is available for your specific application.

Samples stay cool with Air Cooling™ from a cabinet fan.

User friendly, one-touch operation.

Made in the USA.

30 day money back guarantee.

2 year warranty.



Shown here with the lid open, the BULLET BLENDER™ BLUE has 3 microcentrifuge tubes ready to run. Note it can hold up to 24 tubes.

"The Bullet Blender™ has made our clinical lab much more efficient; we get consistent results in less time. We cannot imagine going back to hand vortexing for our whole blood extractions."

-- Kimberly Dumont, supervisor, Dartmouth Reference Lab

"I can count on it for fast consistent results." -- Dr. Denis Schewe, Mt. Sinai Medical Center, NY, NY

"The Bullet Blender™ lets us reduce variability and user error and increase productivity."

-- Dr. Scott Gridley, Director of Protein Sciences, Blue Sky Biotech, Inc., Worcester, MA.

NEXT>>>ADVANCE

INNOVATIVE PRODUCTS • BETTER WORKFLOW
ACCURATE RESULTS • www.nextadvance.com

24 Prospect Avenue
Averill Park, NY 12018, USA
Telephone: 800-738-1681
Fax: 518-674-0189