

HOMOGENIZE 24 TISSUE/CELL SAMPLES AT ONCE

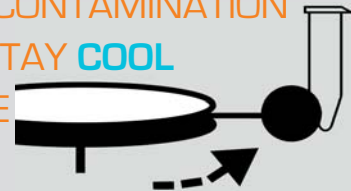
THE BULLET BLENDER™



The **BULLET BLENDER™ BLUE** processes up to twenty four samples in micro - centrifuge tubes. The **BULLET BLENDER™ BLUE 50** handles up to nine samples in 50mL tubes. The newest member of the family, the **BULLET BLENDER™ BLUE 5** can blend up to twelve 1g samples in 5ml tubes.

Mix, Disrupt, or Homogenize Tissues, Cells

- > 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.

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The **BULLET BLENDER™ BLUE** shown here with the lid open.

FEATURES

Capacity: 24 microcentrifuge tubes, 9 of 50 mL tubes, or 12 of 5mL 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 24 V 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). Holding "Start" acts as momentary on.

Speed control tunes the strength of the agitation.

Process times: from 1 to 5 minutes for microcentrifuge tubes or 5ml 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 online 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.

"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.

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