

# Lab ARMOR® BEADS™

## BATHS ARE BETTER WATERLESS.

Lab Armor® Beads, by their design, provide a concurrent thermal and antimicrobial activity that efficiently shields the lab and personnel from invading organisms while thermally heating or cooling like water in any standard water bath, heat block, or ice bucket.

**Keep your lab water baths dry and protected from water-borne microbial contaminants with Lab Armor Beads!**



## AVAILABLE SIZES

**0.75 L:** 42370-750 | **2 L:** 42370-002 | **4 L:** 42370-004 | **5L:** 42370-005 | **8 L:** 42370-008

### COST-EFFICIENT AND CONVENIENT

When you compare the cost of a lost set of experiments or even a few contaminated tubes of reagents, along with the additional time spent refilling and cleaning the water bath and other expenses such as racks and bottleneck weights needed for water baths...

The difference in price clearly favors owning a bead-filled water bath over a traditional water-filled bath.

**Bead Bath ✓ Water Bath ✗**

### COMPATIBILITY

Lab Armor Beads are fully compatible with nearly all non-circulating, non-shallow, standard depth (greater than 5" deep) water baths, ensuring broad usability.

*Lab Armor has evaluated the most popular, recent model water baths.*



## UPGRADE YOUR LAB EXPERIENCE

Avoid sample contamination by upgrading your lab with Lab Armor Beads. They perform all the essentials—warming, thawing, incubating, and chilling—while maintaining constant temperature, just like traditional water baths and ice buckets. But they do so much more!



**Don't contaminate your lab's bath with water. Choose BEADS instead!**

## WHY CHOOSE BEADS FOR YOUR BATH?

- ✓ **Any Vessel, Any Angle:** Use vessels at any angle with Beads, even non-water-tight containers. Safely incubate multi-well plates and petri dishes or thaw precious samples without fear of water wicking under their lids.
- ✓ **Always ON:** Bead-filled water baths always stay on, so you don't have to plan around warmup times or worry about burnout because there is no water to evaporate.
- ✓ **Low Maintenance:** A water bath with Beads doesn't need much attention; a monthly spritz of 70% ethanol or isopropyl for disinfection is usually sufficient.
- ✓ **Organized and Secure:** Beads naturally hold capped and non-watertight vessels in place without racks, floats, or bottleneck weights—preventing floating accidents.

## ECO-FRIENDLY BEADS & BATHS

- + **Eliminates Harmful Biocides:** No need for germicides in bath maintenance.
- + **Highly Recyclable:** Beads are made from solid recyclable metal.
- + **Energy Efficient:** Bead Baths use over 4X less energy when set to 65°C and over 2X less energy at 37°C compared to traditional water baths.

*Beads can do what  
water and ice do.  
And then some!*



## BEADS THERMAL UNIFORMITY AND RANGE

- **Uniform Heating:**
  - » From 37-42°C  $\pm$  1-3°C
  - » From 55-65°C  $\pm$  3-8°C
  - » Beads generally produce a temperature gradient of  $\pm$  0.25-0.75°C per inch in all directions from the middle of the bath.
- **Working Temperature Range:** -80°C to 180°C



An insufficient volume can cause inaccurate thermostat readings, which can result in continuous heating of the bath. Most water baths operate properly when filled to 3/4 full.

## Technical Support

For additional product and technical information, such as product manuals or technical articles on the use of Lab Armor Beads for common laboratory applications, please visit [labarmor.com](http://labarmor.com). For further assistance, please email us at [labarmor@sheldonmfg.com](mailto:labarmor@sheldonmfg.com).

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## Notifications

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