

LAB ARMOR® BEADS™

Baths are better waterless.

No more ruined experiments. Lost materials.
Hassles. Not to mention distorted data.

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.



Lab Armor Beads keep lab water baths dry and protected from water-borne microbial contaminants.

*Don't **contaminate** your
lab's bath with water.*

When you compare the cost of a lost set of experiments or even a few contaminated tubes of reagents and factor in the additional time spent on refilling the water bath, cleaning the water bath, and other expenses such as racks and bottleneck weights that you have to buy to go along with it, the difference in price between owning a Bead-filled water bath and a traditional water-filled bath clearly favors the Beads.

And Lab Armor Beads are fully compatible with nearly all non-circulating, non-shallow, standard depth (>5" deep) water baths. Lab Armor has evaluated the most popular, recent model water baths.

Get Lab Armor Beads and upgrade your entire lab experience.

Eco-friendly Beads

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

Any type vessel

Vessels can be used at any angle with a water bath filled with Beads and you're not limited to water-tight containers. So you can safely incubate multi-well plates and petri dishes or thaw precious samples, without fear of water wicking under their lids.

All the essentials

Always on.

A water bath with Beads always stays on, so you don't have to plan around warmup times. No need to worry about burnout either because there is no water to evaporate.

Stays clean and filled.

A water bath with Beads doesn't need much attention, a monthly spritz of 70% ethanol for disinfection is usually sufficient.

Stays organized.

Unlike water baths that require racks, floats, and bottleneck weights, a Bead-filled water bath naturally holds things in place without accessories. So no more floating accidents. Really.

Eco-friendly Baths & Beads

Harmful biocides eliminated. Lab Armor has worked hard to eliminate the need for germicides for lab bath maintenance.

Highly recyclable. Beads are formed from solid recyclable metal.

More energy efficient. A bead bath uses over 4X less energy when set to 65°C and over 2X less energy at 37°C.

Beads perform all the essentials, including warming, thawing, incubating, chilling and do it while maintaining a constant temperature just like a water bath or an ice bucket. But Beads perform a few additional things too.

Beads Thermal Uniformity:

- From 37-42°C +/- 1-3°C
- From 55-65°C +/- 3-8°C
- Beads generally produce a temperature gradient of +/- 0.25 -0.75 °C per inch in all directions from the middle of the bath.

Working Temperature Range:

- -80°C to 350°C

Lab Armor Beads

0.75 L: 42370-750
2 L: 42370-002
4 L: 42370-004
8 L: 42370-008

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 1/2 to 3/4 full.

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