

What do I need to know before I buy Beads?

A. Bead Bath is designed to be easy to use. But if you're used to working with a water bath, you may have to make some adjustments. Luckily, Lab Armor is in the process of developing lots of [video](#) and written [tutorials](#) on LabArmor.com. Shortly you will be able to get help from others in Bead Bath Support Discussions as well.

A bead bath will perform the same functions as a water bath or an ice bath, ...

A Bead Bath performs all the essentials, including warming, thawing, incubating, chilling and does it while maintaining a constant temperature just like a water bath.

... but beads transfer heat more slowly than water.

Beads transfer energy more slowly than water. And depending on the size and starting temperature of the incubating vessel, a Bead Bath can take one and a half to two times longer to warm the vessel up. So when your protocol calls for warming, incubating, or thawing in the bath, plan a little extra time. Or you can dial in the bath by simply raising its temperature. For instance, if you are accustomed to performing 37 °C incubations and want to keep the same time interval, simply raise the bath temperature to 50 °C.

Bead Baths work the way people wish water baths did.

Yes. You can leave the bath on all the time.

Yes. You can extend your bath's lifetime use.

Yes. You can eliminate a contamination source.

Yes. You can have more confidence in your data

Yes. You can prevent material and data losses.

Yes. You can eliminate a potential fire hazard.

Yes. You rarely have to clean it.

Yes. You never have to refill it.

Yes. You will reduce energy consumption.

Yes. You can use earth-friendly disinfectants.

Yes. You don't need racks to organize anymore.

Yes. You can incubate non-water-tight vessels.

Yes. You can incubate up to 400 °C.

Yes. You can get creative with new applications.