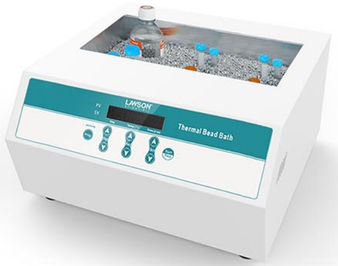
DRY BEAD BATH



Model	Internal slot size	Armor bead capacity
DB03	300×150×150mm	4L
DB04	300×320×150mm	12L

Model	Module size	Module inner size	Armor bead capacity
DB02	95.5×153×75mm	78×140×70mm	0.50L

◆ Innovative custom-designed irregular armor beads with excellent thermal conductivity and fluidity. They do not roll randomly when spilled on the laboratory tabletop, making maintenance convenient.
◆ Can be operated continuously for long periods. No need to schedule water bath times. There is no water evaporation during use, eliminating the risk of drying out.
◆ Disinfecting the beads with 70% ethanol once a month is sufficient, without the need for disinfectant to clean the bead bath tank.
◆ No need for accessories like test tube racks, bottle clips, or floats to secure samples.
◆ 5-stage temperature control design with individual activation and deactivation of each stage. It can also be flexibly combined as needed.
◆ Energy-saving of over 4 times when set at 65°C, and over 2 times at 37°C. Comes with a standard insulation cover for more even temperature distribution.

LAWSON_Chou
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Product Introduction

Dry metal bead bath / Cell culture incubator
Dry constant temperature metal armor bead bath is a microcomputer-controlled constant temperature metal bead bath device, featuring high temperature control accuracy and good sample parallelism. It replaces traditional water bath devices and conventional modular metal baths. It finds wide applications in sample cultivation, cell recovery, preservation, and reactions across various industries, including pharmaceuticals, chemicals, food safety, quality inspection, and the environment.
Lawson Scientific Bead Bath Constant Temperature Chamber (Constant Temperature Metal Bead Bath) features an innovative design distinct from traditional metal baths and water (oil) baths. It employs the newly introduced Beads BATH (armor bead bath tank) and innovative five-sided heating method. This breakthrough surpasses the boiling point limit of water baths (100°C) while avoiding the limitations of traditional metal bath module apertures. It is suitable for a variety of standard laboratory containers such as serum bottles, conical flasks, centrifuge tubes, test tubes, microplates, and slides, accommodating tubes of any shape and volume. The LAWSON constant temperature metal bead bath provides optimal temperature uniformity and accuracy. The compact and lightweight armor bead bath module design reduces the need for different-sized modules in conventional metal baths, providing better service for your laboratory.

Technical Parameters

Model	DHB-706	DHB-714	DHB-200
Temperature Control Range	Room temperature +5°C to 120°C		Room temperature +5°C to 150°C
Ramp-up Time	(20°C to 80°C) ⩽ 30 minutes		
Temperature Stability	@37°C ⩽ ±0.5°C		@40~80°C⩽±0.5°C; @80~120°C⩽±1~3°C
Maximum Temperature Fluctuation	@37°C ±0.5°C		@40°C ±0.3°C
Temperature Display Accuracy	0.1°C		
Timing Range	1 to 99 hours 59 minutes		
Temperature Setting Range	0°C to 120°C		0°C to 150°C
Insulation Cover	Yes		No
Inner Chamber Dimensions	300*150*150mm/6L,	300*320*150mm/14L	95.5*153*75mm/0.5L
Power Rating	500W	850W	400W
Product Weight	13.2kg	24.5kg	5.2kg
Dimensions	360*365*250mm	360*535*250mm	290*220*120mm
Programming Function	5-stage, supports multi-node cycles		
Input Power	220V/50Hz		