

S-Bt Smart Biotherm, Compact CO₂ Incubator



DESCRIPTION

S-Bt Smart Biotherm is designed for work in the areas of cell biology (operations with animal cell cultures and tissues), molecular biology (DNA/RNA reaction analysis, hybridization reactions), biotechnology (synthesis of target proteins and other molecules), immunology (synthesis of antibodies and other proteins of immune system).

Unit provides a six-sided heating: the heating elements are located on the walls and on the door, thus providing excellent uniform temperature distribution, regardless of external factors, such as ambient temperature and positioning of the device.

Built-in infrared CO₂-sensor allows accurate control of the CO₂ level. The sensor makes measurement non-sensitive to changes in temperature and humidity inside the incubator.

The chamber is made of stainless steel with smoothed seams to minimize contamination and to facilitate cleaning.

S-Bt is equipped with a UV air recirculation system - 1 UV lamp and a fan are mounted behind the rear wall, providing decontamination of the working volume.

A convenient access port is built in the wall of the incubator for easy output of wire sensors or devices' installed inside. The access port is heated independently to prevent formation of condensate.

Unit is equipped with error tracing and alarm systems, which significantly lower potential risks during operation.

Unit is equipped with a "black box" system that records temperature, humidity and CO₂ levels, as well as statuses for door opening, UV lamp, fan and errors, to the inner memory.

Bluetooth connection to PC is available.

SPECIFICATION

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|---|---------------------------------|
| Working chamber material | Stainless Steel (1 mm) |
| Temperature setting range | +25°C ... +60°C |
| Temperature stability | ±0.1°C |
| Temperature uniformity at +37°C | ±0.3°C |
| Working volume | 46 litres |
| Number of shelves | 3 (max. 6) |
| Presence of the inner glass door | + |
| Relative humidity | >90% @ 37°C |
| Humidity delivery | Water Pan |
| CO ₂ control range | 0 - 20% |
| CO ₂ sensor | Infrared CO ₂ sensor |
| Temperature and CO ₂ level input | Digital |
| UV lamp | 1 × 6 W, TUV G6T5 |
| Data output | Wireless |



CAT. NR.

| | |
|---------------|-----------------------------------|
| | S-Bt Smart Biotherm |
| BS-010425-A01 | 230VAC 50/60Hz Euro plug |
| BS-010425-A03 | 230VAC 50/60Hz UK plug |
| BS-010425-A02 | 230VAC 50/60Hz AU plug |
| ----- | Optional accessories |
| BS-010425-AK | Shelf |
| BS-010425-BK | PC software and Bluetooth adapter |
| BS-010425-CK | Incubator stacking device |
| ----- | Replacement parts |
| BS-010425-S01 | Hydrophobic filter |
| BS-010425-S03 | Access port seal |

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|---------------------------|---------------------------------|
| Access port | 1 (ø 26 mm) |
| Dimensions | 400 x 410 x 580 mm |
| Weight | 37.7 kg |
| Nominal operating voltage | 230B, 50/60 Hz; 115 V, 50/60 Hz |