

# BIOIND

**Compact Biological Indicator Incubator • RT+5 °C to 100 °C • Transparent Cover • DC 24 V • 0.5 kg**

**BIOIND Biological Indicator Incubator** is a compact dry block incubator for single-temperature incubation of steam and EO biological indicators. The aluminium block is held from RT+5 °C to 100 °C with an accuracy, uniformity and stability of  $\pm 0.3$  °C, and reaches 56 °C from 20 °C in  $\leq 6$  min. A transparent cover keeps the indicators visible during incubation, and the timer runs from 1 min to 99 h. The instrument measures 145 × 113 × 110 mm, weighs 0.5 kg and is powered by a DC 24 V adapter. Interchangeable blocks take 8 to 18 vials of Ø 9 mm to Ø 16 mm.

BIOLOGICAL INDICATORS

STEAM AND EO

RT+5 °C TO 100 °C

$\leq \pm 0.3$  °C

TRANSPARENT COVER

DC 24 V ADAPTER

0.5 KG

ELECTRONIC CALIBRATION

6 BLOCK FORMATS

Document type: **Technical Specification Sheet**

Product: **BIOIND Biological Indicator Incubator**

SKU: **PRO4492**

Format: **A4 landscape • CORE-TECHSPEC 1.2**

BIOIND PRODUCT PAGE

INCUBATION — OVERVIEW

INCUBATION CATALOGUE

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 **HEATING ONLY** RT+5 °C to 100 °C



BIOIND with the transparent cover, three of the interchangeable blocks and indicator vials



BIOIND • block in place, cover removed

MODEL

**BIOIND • PRO4492**

ADDRESS / HQ

**Polje ob Sotli 4  
SI-3255, Slovenia**

CONTACT

**sales@colo.si  
+386 70 713 437**

# BIOIND • technical specification

Compact biological indicator incubator, RT+5 °C to 100 °C, transparent cover, DC 24 V adapter, interchangeable blocks for Ø 9 mm to Ø 16 mm vials

145 × 113 × 110 MM

0.5 KG

≤ ±0.3 °C

20 → 56 °C IN ≤ 6 MIN

1 MIN TO 99 H

ELECTRONIC CALIBRATION

— Fits beside the sterilizer

## Product Overview

### Application profile

**Sterilization control:** incubation of steam and EO biological indicators at one temperature.

**Small practices:** dental and medical practices with a few indicators per day.

**At the sterilizer:** small enough to stand next to the autoclave.

**Different indicators:** the block is exchanged to suit the vial diameter.

**Long incubations:** timer up to 99 h.

### Key features

**Temperature:** RT+5 °C to 100 °C, display resolution 0.1 °C.

**Timer:** 1 min to 99 h.

**Fast heating:** ≤ 6 min from 20 °C to 56 °C.

**Electronic calibration:** the user can reset the instrument to a local standard.

**Interchangeable blocks:** six formats; custom blocks on request.

**Transparent cover:** closes the block and keeps the vials in view.

**Energy-efficient design:** low power demand.

**Adapter:** power supply with UL, CSA and CE approval.

### Why this incubator

**Compact:** 145 × 113 × 110 mm and 0.5 kg.

**Visible process:** the transparent cover shows the indicators during incubation.

**Low-voltage supply:** DC 24 V from the adapter supplied.

**Stable temperature:** accuracy, uniformity and stability ±0.3 °C.

**Dry block:** no water bath to fill, clean or contaminate.

### Core technical summary

| Parameter                 | Specification                  |
|---------------------------|--------------------------------|
| Model                     | BIOIND                         |
| Product type              | Biological indicator incubator |
| Temperature control range | RT+5 °C to 100 °C              |
| Accuracy • uniformity     | ≤ ±0.3 °C • ≤ ±0.3 °C          |
| Temperature stability     | ±0.3 °C                        |
| Timer                     | 1 min to 99 h                  |
| Heating time              | ≤ 6 min, 20 °C to 56 °C        |
| Supply                    | DC 24 V, 1.67 A (adapter)      |
| Dimensions • weight       | 145 × 113 × 110 mm • 0.5 kg    |

TEMP. CONTROL  
RT+5 °C to 100 °C

ACCURACY  
≤ ±0.3 °C

WEIGHT  
0.5 kg

BLOCKS  
6 formats

RT = room temperature. EO = ethylene oxide. Biological indicators are not part of the instrument. The incubation temperature and time are those stated by the manufacturer of the indicator. Suitability for a specific indicator is confirmed in the COLO.Science quotation.

BIOIND PRODUCT PAGE

INCUBATION — OVERVIEW

INCUBATION CATALOGUE

REQUEST QUOTE

## Technical Specifications

| Parameter                 | BIOIND                       | Parameter   | BIOIND                        |
|---------------------------|------------------------------|-------------|-------------------------------|
| Temperature control range | RT+5 °C to 100 °C            | Time range  | 1 min to 99 h                 |
| Temperature accuracy      | ≤ ±0.3 °C                    | Calibration | Electronic, by the user       |
| Temperature uniformity    | ≤ ±0.3 °C                    | Cover       | Transparent                   |
| Temperature stability     | ±0.3 °C                      | Supply      | DC 24 V, 1.67 A, from adapter |
| Display resolution        | 0.1 °C                       | Dimensions  | 145 × 113 × 110 mm            |
| Heating time              | ≤ 6 min, from 20 °C to 56 °C | Weight      | 0.5 kg                        |

RT = room temperature; the control range starts 5 °C above the temperature of the room the instrument stands in. Accuracy, uniformity and heating time are supplier data for standard conditions.

## Blocks

| Block SKU | Vial diameter        | Positions  | Used for                                                    |
|-----------|----------------------|------------|-------------------------------------------------------------|
| PRO4497   | Ø 9 mm               | 18         | Indicator vials of about 9 mm diameter.                     |
| PRO4493   | Ø 10 mm              | 15         | Indicator vials of about 10 mm diameter.                    |
| PRO4494   | Ø 12 mm              | 12         | Indicator vials of about 12 mm diameter.                    |
| PRO4495   | Ø 15 mm              | 8          | Indicator vials and tubes of about 15 mm diameter.          |
| PRO4496   | Ø 16 mm              | 8          | Indicator vials and tubes of about 16 mm diameter.          |
| PRO7187   | Ø 12 mm, cone bottom | on request | Indicator vials of about 12 mm diameter with a conical end. |

One block is in the instrument at a time; the block is ordered with the instrument under its own SKU. Custom blocks for other vial sizes are made on request.

### Cover, calibration and supply

**Transparent cover:** lifts off for loading; the indicators stay visible while it is on.

**Electronic calibration:** the displayed temperature can be adjusted to a reference thermometer.

**Supply:** DC 24 V, 1.67 A from the adapter; the adapter is connected to the mains.

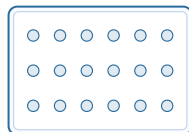
**Controls:** program, temperature, timer and start/stop keys below the display.

### Run sequence

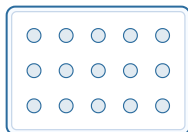
- 1 • **Set:** enter the incubation temperature and the time; the instrument heats the block and holds it.
- 2 • **Load:** activate the indicator as its manufacturer describes, place it in the block and put the cover on.
- 3 • **Start:** start the timer.
- 4 • **Read:** when the time is over, take the indicator out and read the result.

[BIOIND PRODUCT PAGE](#)[INCUBATION — OVERVIEW](#)[INCUBATION CATALOGUE](#)[REQUEST QUOTE](#)

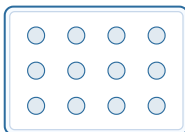
### Blocks at a glance



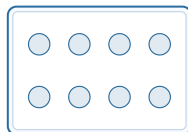
**PRO4497**  
18 × Ø 9 mm



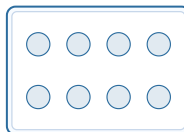
**PRO4493**  
15 × Ø 10 mm



**PRO4494**  
12 × Ø 12 mm



**PRO4495**  
8 × Ø 15 mm



**PRO4496**  
8 × Ø 16 mm

Schematic top views showing the number of positions. The real hole pattern is seen on the photograph of the blocks.

### Transparent cover in place



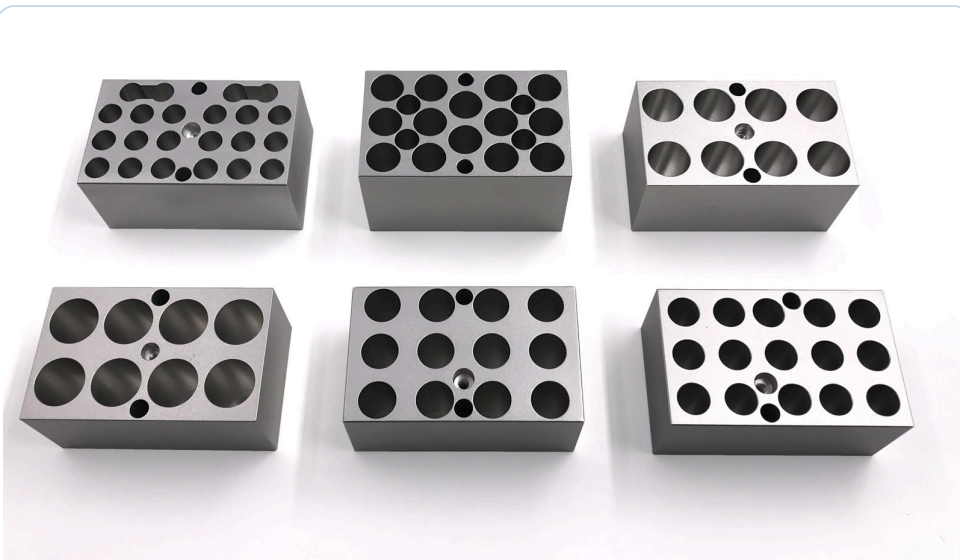
The transparent cover closes the block and keeps the indicators in view; display and keys at the front.

[BIOIND PRODUCT PAGE](#)

[INCUBATION — OVERVIEW](#)

[INCUBATION CATALOGUE](#)

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Six interchangeable blocks for BIOIND

### Ordering information

| Item                                  | Value                                                        |
|---------------------------------------|--------------------------------------------------------------|
| BIOIND biological indicator incubator | PRO4492                                                      |
| Block 18 × Ø 9 mm                     | PRO4497                                                      |
| Block 15 × Ø 10 mm                    | PRO4493                                                      |
| Block 12 × Ø 12 mm                    | PRO4494                                                      |
| Block 8 × Ø 15 mm · Block 8 × Ø 16 mm | PRO4495 · PRO4496                                            |
| Block Ø 12 mm, cone bottom            | PRO7187                                                      |
| Delivery                              | Instrument with transparent cover, adapter, operating manual |

### Configuration checklist

**Indicator:** type and outer diameter of the vial — it decides the block.

**Temperature:** incubation temperature stated for the indicator, within RT+5 °C to 100 °C.

**Incubation time:** within 1 min to 99 h; one timer for the whole block.

**Several loads a day?** BIOIND100 has seven independently timed groups.

**Mains plug:** confirm the plug type of the adapter before the order is placed.

#### SUPPLIER AND SUPPORT

### COLO Lab Experts

Polje ob Sotli 4, SI-3255, Slovenia

**Selection guidance:** Send the type and diameter of your biological indicators and the incubation temperature and time. COLO.Science will confirm the block and the delivery time.

#### QUICK CONTACT

🌐 [colo.si](https://colo.si)

✉ [sales@colo.si](mailto:sales@colo.si)

☎ +386 70 713 437

#### COLO.SCIENCE · INCUBATION CONFIGURATION SUPPORT

## Which block fits your biological indicators?

Send the indicator type, the vial diameter and the incubation temperature and time. COLO.Science will confirm the block and the delivery time.

Web: [colo.si](https://colo.si)

Ask us:

Price and current discount, delivery time, application support and service — write to [sales@colo.si](mailto:sales@colo.si) or call us.

[BIOIND PRODUCT PAGE](#)

[INCUBATION — OVERVIEW](#)

[INCUBATION CATALOGUE](#)

[REQUEST QUOTE](#)