

BIOIND100

Biological Indicator Incubator • 7 Independent Timers • RT+5 °C to 100 °C • 35 or 28 Positions

BIOIND100 Biological Indicator Incubator is a dry block incubator made for the incubation of biological indicators after a sterilization cycle. Film heating with PID control holds the block from RT+5 °C to 100 °C with an accuracy and uniformity of $\leq \pm 0.3$ °C. The block is divided into seven groups, and each group has its own key and its own countdown from 1 min to 99 h 59 min, so indicators from different loads can be started at different times. BIOIND100 takes a block with 35 positions of $\varnothing$ 9 mm or $\varnothing$ 10 mm; BIOIND100S takes a block with 28 positions of $\varnothing$ 12 mm with a cone bottom. A cover closes the block during incubation.

BIOLOGICAL INDICATORS

7 INDEPENDENT TIMERS

RT+5 °C TO 100 °C

$\leq \pm 0.3$ °C

35 × $\varnothing$ 9 OR 10 MM

28 × $\varnothing$ 12 MM

PID • FILM HEATING

TEMPERATURE CALIBRATION

OVER-TEMPERATURE PROTECTION

Document type: **Technical Specification Sheet**

Product: **BIOIND100 Biological Indicator Incubator**

SKU: **PRO4498 • PRO7188**

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

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 **HEATING ONLY** RT+5 °C to 100 °C



BIOIND100 • block with 35 positions, cover removed



BIOIND100 • cover in place, seven group keys below the display

MODELS

BIOIND100 • BIOIND100S

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BIOIND100 • technical specification

Biological indicator incubator with seven independently timed groups, RT+5 °C to 100 °C, for 35 vials of Ø 9 or 10 mm or 28 vials of Ø 12 mm

7 INDEPENDENT TIMERS

1 MIN TO 99 H 59 MIN

≤ ±0.3 °C

25 → 100 °C IN ≤ 12 MIN

AUTOMATIC RUNNING

TEMPERATURE CALIBRATION

— One instrument for indicators from several loads

Product Overview

Application profile

Sterilization control: incubation of self-contained biological indicators after steam or gas sterilization.

Several loads at once: up to seven groups of indicators, each started and timed on its own.

One set temperature: the temperature required by the indicator, within RT+5 °C to 100 °C.

Routine work: sterilization departments, hospital and dental practices, pharmaceutical and food laboratories.

Long incubations: countdown up to 99 h 59 min, or continuous operation.

Key features

Independent timing: seven groups, each with its own key and countdown.

Time range: 1 min to 99 h 59 min, or continuous.

Heating: film heating with PID automatic temperature control.

Display: real-time display of temperature and time for set-up and running.

Automatic running: built-in function.

Temperature calibration: built-in function.

Protection: software and hardware over-temperature protection.

Cover: closes the block during incubation.

Why this incubator

Seven timers: an indicator added later does not disturb the countdown of the others.

Tight control: accuracy and uniformity ≤ ±0.3 °C across the block.

Everything on the display: set values and running values are shown at the same time.

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

Compact: 260 × 195 × 150 mm, 2.5 kg.

Core technical summary

Parameter	Specification
Models	BIOIND100 • BIOIND100S
Product type	Biological indicator incubator
Capacity	35 positions • 28 positions
Temperature setting range	0 °C to 100 °C
Temperature control range	RT+5 °C to 100 °C
Accuracy • uniformity	≤ ±0.3 °C • ≤ ±0.3 °C
Timer	1 min to 99 h 59 min, or continuous
Independent timers	7
Heating time	≤ 12 min, 25 °C to 100 °C

TEMP. CONTROL
RT+5 °C to 100 °C

ACCURACY
≤ ±0.3 °C

INDEPENDENT TIMERS
7

CAPACITY
35 or 28 positions

RT = room temperature. 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.

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Technical Specifications

Parameter	BIOIND100	Parameter	BIOIND100
Temperature setting range	0 °C to 100 °C	Heating and control	Film heating, PID control
Temperature control range	RT+5 °C to 100 °C	Automatic running	Yes
Temperature accuracy	≤ ±0.3 °C	Temperature calibration	Built-in function
Temperature uniformity	≤ ±0.3 °C	Safety	Software and hardware over-temperature protection
Display resolution	0.1 °C	Power	150 W
Heating time	≤ 12 min, from 25 °C to 100 °C	Voltage • fuse	AC 220 V or AC 110 V, 50/60 Hz • 250 V 3 A, Ø 5 × 20
Time range	1 min to 99 h 59 min, or continuous	Dimensions	260 × 195 × 150 mm
Independent timers	7 groups	Weight	2.5 kg

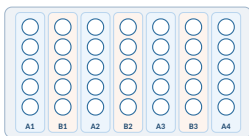
RT = room temperature; the control range starts 5 °C above the temperature of the room the instrument stands in. Accuracy, uniformity and heating time are supplier data for standard conditions. The mains voltage version is confirmed in the quotation.

Models and blocks

Model	SKU	Block	Block SKU	Used for
BIOIND100	PRO4498	35 × Ø 9 mm	PRO4499	Indicator vials of about 9 mm diameter.
BIOIND100	PRO4498	35 × Ø 10 mm	PRO4500	Indicator vials of about 10 mm diameter.
BIOIND100S	PRO7188	28 × Ø 12 mm, cone bottom	PRO7189	Indicator vials of about 12 mm diameter with a conical end.

The block is ordered with the instrument under its own SKU. The 35-position blocks fit BIOIND100 only; the 28-position block fits BIOIND100S only. Blocks for other vial sizes are available on request.

Seven independently timed groups



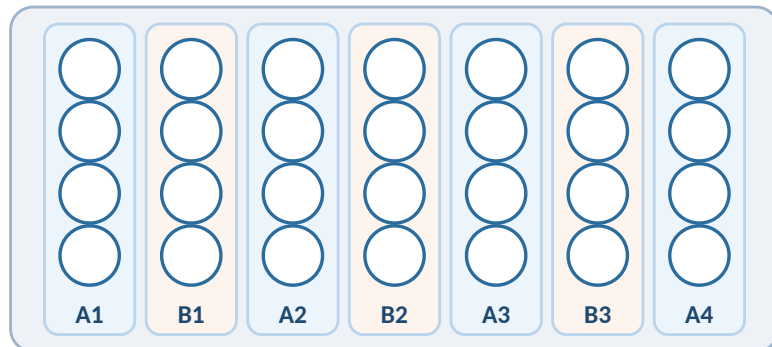
Schematic top view of the 35-position block. The block is marked A1, B1, A2, B2, A3, B3, A4 — one mark per group of five positions — and each group has a key with the same mark on the front panel.

Run sequence

- 1 • Set:** enter the incubation temperature; the instrument heats the block and holds it.
- 2 • Load:** activate the indicator as its manufacturer describes and place it in a free group.
- 3 • Start:** set the time and start the countdown of that group with its key; other groups keep running.
- 4 • Read:** when the countdown of a group ends, take the indicator out and read the result.

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BIOIND100S · block with 28 positions



28 positions · 7 groups of 4

Schematic top view: seven groups of four positions, Ø 12 mm, cone bottom. Each group has its own timer.

Rear view



Mains inlet with switch at the rear; cover in place.

BIOIND100S, cover removed



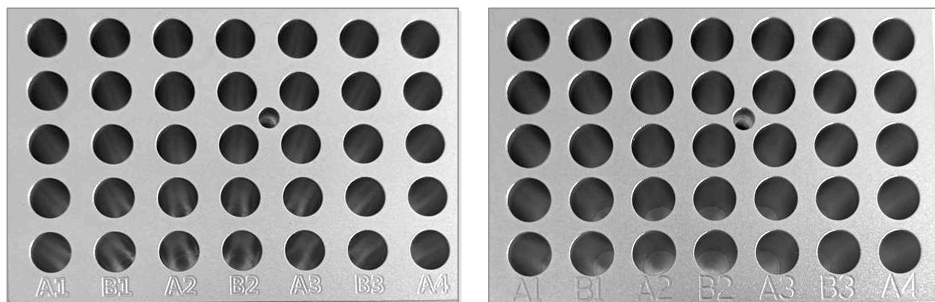
Block with 28 positions of Ø 12 mm, cover beside the instrument, display and seven group keys at the front.

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Blocks for BIOIND100 · 35 × Ø 9 mm (PRO4499) and 35 × Ø 10 mm (PRO4500)

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 model, the block and the delivery time.

Ordering information

Item	Value
BIOIND100 biological indicator incubator	PRO4498
Block 35 × Ø 9 mm, for BIOIND100	PRO4499
Block 35 × Ø 10 mm, for BIOIND100	PRO4500
BIOIND100S biological indicator incubator	PRO7188
Block 28 × Ø 12 mm, cone bottom, for BIOIND100S	PRO7189
Delivery	Instrument with cover, mains cable, operating manual

Configuration checklist

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

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

Incubation time: within 1 min to 99 h 59 min.

Number per day: up to 35 (BIOIND100) or 28 (BIOIND100S) positions in seven groups.

Mains voltage: confirm the voltage and the plug type before the order is placed.

QUICK CONTACT

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COLO.SCIENCE · INCUBATION CONFIGURATION SUPPORT

Which BIOIND100 fits your biological indicators?

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

Web: colo.si

Ask us:

Price and current discount, delivery time, application support and service — write to sales@colo.si or call us.

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