

Infection Control Division | Accessories

IC10/20FR Auto-reader Incubator

For incubation and readout of Rapid, Super Rapid or Ultra Rapid Biological Indicators and Hygiene Monitoring Systems



Usage

United States

Terragene® Bionova® Reader Incubators IC10/20FR incubate at 60 °C and 37 °C and read the Terragene® Bionova® SCBI for fluorescent results at the times prescribed in the User Manuals.

Outside the United States

For incubation and readout of:

Bionova® rapid fluorescence readout biological indicators (BIs):

-BT220 (steam): 3 h at 60 °C.

-BT110 (ethylene oxide): 4 h at 37 °C.

-BT102 (formaldehyde): 2 h at 60 °C.

-BT95 (VH₂O₂): 2 h at 60 °C.

Bionova® super rapid fluorescence readout BIs:

-BT222 (steam): 1 h at 60 °C.

-BT96 (VH₂O₂): 30 min. at 60 °C.

Bionova® ultra rapid fluorescence readout BIs:

-BT224 (steam): 20 min. at 60 °C.

Chemdye® hygiene monitoring systems:

-PRO1 MICRO: 7 min. at 60 °C.

-PRO1 ENDO: 7 min. at 60 °C.

Applicable regulation

Designed under Quality Management System standards ISO 13485:2016/NS-EN ISO 13485:2016.

Low Voltage Directive 2014/35/EU.

Electromagnetic Compatibility Directive 2014/30/EU.

RoHS Directive 2011/65/EU.

WEEE Directive 2012/19/EU.

FDA 510(k)

K163646.

Characteristics

12 positions (38 mm deep, 9 mm diameter) to incubate rapid, super rapid and ultra rapid fluorescence readout self-contained biological indicators and 1 position (38 mm deep, 10 mm diameter) to incubate the pen of the hygiene monitoring systems.

1 ampoule crusher.

Special hole for external thermometer.

Dual temperature system: allows selecting between two different incubation temperatures (37 and 60 °C). Allows running two different incubation times simultaneously, provided they are of equal incubation temperature.

USB connection for recording results on PC using Bionova® Cloud Web Application.

It stores the last 50 results.

Thermal printer of results. Allows to reprint the last 13 results.

Automatic detection and cancellation of biological indicator fluorescence reading.

Firmware update by the user.

Fluorescence reading wavelength: - 460 nm.

Dimensions: 180 mm high, 260 mm diameter.

Voltage range: 100-240 VAC.

Power: 28 W.

Frequency: 50-60 Hz.

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Operating temperature: 10-30 °C.

Environmental conditions during manufacture

T = 15-30 °C, RH = 35-85 %.

Storage conditions

T = 5-40 °C, RH = 30-80 %, keep in a dark place.

Transport conditions

It is recommended to respect the storage conditions during transport. Products should be transported in closed and reinforced boxes in order to avoid damages. The transport of this product does not represent any risk for human health.

Acceptable excursions during transport are as follows:

T = 2-5 °C and T = 40-65 °C for no longer than seven days. No restrictions for relative humidity.

Shelf life

5 years.

Packing

1 unit per box.

Packing information: product code and description, storage conditions and manufacturer information.

Labelling

On product: product code and description, operating conditions, batch and serial number, manufacture date, datamatrix code and manufacturer information.

On product's box: product code and description, storage conditions, batch and serial number, manufactory firmware, manufacture date and datamatrix code and manufacturer information.

Possible target markets

Healthcare, Food, Pharmaceutical and Medical Devices Industries.

Other important information

IC10/20FR auto-reader has a button located on the incubator panel to select temperatures at 37 °C or 60 °C. It also has a button which allows setting an incubation time for half of the positions (1 to 6), and another button to select a different incubation time for the remaining positions (7 to 12).

IC10/20FR auto-reader has an automatic readout system and a printer to record the results.

Precautions

Do not pour any liquid inside.

Do not immerse into any liquid.

Only for indoor use.

Disconnect the power cord before cleaning.

Do not use abrasive or corrosive cleaners or disinfectants.

Make sure that the incubator is connected to a properly rated power cord.

This product contains dry natural rubber.