



ThermoClean BI

Stabilizing Concentrate for Biological Incubators (BI)

Only 1 mL ThermoClean BI for 1 L Water.

(1/2)
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ThermoClean is the original brand name of the Original Equipment Manufacturer (OEM) Bioanalytic GmbH • Germany.

ThermoClean also is sold under many secondary brand names of other Original Sales Manufacturers (OSM) worldwide.

ThermoClean is a series of different products for water circulation systems and humidification devices.

Characteristics

ThermoClean BI generally is used to prevent the growth of germs in water serving dishes for moistening biological incubators such as CO₂ incubators.

Thermoclean BI (concentrate) is used for self-preparation of the working solution **Thermoclean 37** (also available as ready for use solution).

The usual use temperature is around 37 °C.

Properties

- **ThermoClean BI** is highly concentrated:
Only 0.1 %, i.e. only 1 mL **ThermoClean BI** per 1 L water.
- **ThermoClean BI** reliably blocks the growth algae, bacteria and mold in your water reservoir for several weeks ¹⁾.
- **ThermoClean BI** reduces frequent renewal/cleaning the reservoir, thereby saving time.
- **ThermoClean BI** prevents unpleasant smell of the incubator water during use.
- Thermo Clean-BI contains no aggressive phosphates, acids or alkalis.
- **ThermoClean BI** contains NO antibiotics, toxic mercury salts or acids and no compounds evaporate chlorine.
- **ThermoClean BI** is completely free of solvents.
- **ThermoClean BI** is 100 % water soluble.
- **ThermoClean BI** produces no foam.

Reagents

ThermoClean BI is available in 100 mL and 500 mL dosage bottles.

Thermoclean 37 (ready to use solution) is available in 5 and 20 liter bioCubes with tap.

Open the bioCubes:

- Push the carton of bioCube on the top of the perforated place and tear carefully. Remove pieces of cardboard.
- Remove below lying tap.
- Pull up closure and tear of the originality ring. Then open and screw the tap. Align outlet downwards.
- Tilt the tank forward and set on edge. On tap pour out the amount **Thermoclean 37** required. For safety bring back container in a vertical position.

Risks and Safety

ThermoClean BI:

Please observe the necessary precautions for use of laboratory reagents. Applications should be performed by expert personnel only. Follow the national and laboratory internal guidelines for work safety. Wear suitable protective clothing and disposable gloves while handling.



www.sds-id.com



For additional safety information please refer to the information on the label and the corresponding Safety Data Sheet (SDS).

Download by QR-Code or link: www.sds-id.com/100129-8

ThermoClean 37:

No hazardous product in the mind of the directives 1272/2008, 67/548/EWG or 1999/45/EG. SDS not necessary.

Transport: Road, air, sea: no limitation.

Application

Dilution of the **Thermoclean BI** concentrate 1 : 100 produces ready for use **ThermoClean 37**. Use 1 mL **ThermoClean BI** per 1 liter of distilled water and mix well.

Let not dry completely the dish with **ThermoClean 37** (crystallization). Refill regularly with **ThermoClean 37**.

Note:

By the manufacturers of the incubators mostly the use of sterile water is recommended. The ready to use solution available as **ThermoClean 37** is sterile when packaged and meets the requirements of the equipment manufacturers.

When using **ThermoClean BI**, we recommend the use of:

- Sterile water or water according to the manufacturer's instructions.
- Freshly distilled water (Heat distillation). This water is usually semi-sterile.)
- Demineralized and then sterile filtered water (ion exchangers for obtaining deionized water are often heavily contaminated with germs!)

Appliance Hygienics

Even when using **ThermoClean BI** don't forget regularly cleaning and disinfection of the incubator. Refer to the manufacturer's instructions.

In particular, sterile prepared water can not prevent the growth of germs on surfaces formed condensation drops. Therefore, regular complete cleaning and disinfection of an incubator is essential. Refer to the manufacturer's disinfection instructions.

Control

We recommend to take weekly a sample of 10 mL humidification water from your incubator, centrifuge, and microscope the sediment. If there are living cells, the water reservoir and the incubator should be cleaned and disinfected.

Produktinformation
ThermoClean BI

2019-01-15

(en)

002514-PR01



Notes

This product information exclusively relates to the reagent described in this leaflet. In particular, this product information cannot be applied to similar reagents from other manufacturers.

Instructions for use

Do not use to suppress algal growth in aquariums or fish tanks!

Bioanalytic assumes no responsibility for the accuracy of this information. Due to the composition and the current state of knowledge must be considered a guarantee, that active substances from the humidification water can not enter the samples of biological incubators.

Classification (EU)

ThermoClean BI

Classification as a biocidal product does not occur.

The concentration is below the admissibility of drinking water.

ThermoClean 37

No biocide product in the mind of the directives.

Incompatibilities

ThermoClean BI also contains copper ions (Cu²⁺). This can inter-react with metal surfaces. Therefore be recommended against for metal ions resistant dishes and surfaces (glass, enamel, div. plastics). Stains on stainless steel may optionally be cleaned using common household stainless steel cleaner.

ThermoClean BI may not find use in systems, where water is actively evaporated (eg., via ultrasonic nebulizer).

ThermoClean BI can form crystals at drying up. Therefore, it may not be placed in moving parts.

ThermoClean BI is exclusively for bio-incubators use with passive evaporation and may not be used in thermostats and water circulation systems.

Support / Information service

For methodological and technical support, please contact us by E-Mail at support@bioanalytic.de (German, English).

Periodically check for updates of this product information on our website.

Feedback

Information from users can be reported to support@bioanalytic.de (German, English).

Suggestions for further developments will be considered.

Waste Management

Please observe your national laws and regulations.

Used and expired solutions must be disposed of in accordance with your local regulations.

Inside the EU, national regulations apply that are based on the current, amended version of Council directive 67/548/EEG on the approximation of the laws, regulations and administrative provisions relating to the classification, packaging and labelling of dangerous substances.

Decontaminated packaging can be disposed of as household waste or recycled, unless otherwise specified.

Unused Remains

These are usually hazardous wastes that must be recycled or disposed of. After consultation we take back such residual materials in the original container.

Used Circulation Water

Used circulating water containing ThermoClean DC in working concentration is usually considered waste water and can be disposed of over your local sewage treatment plant system. Never dispose into the environment untreated!

Used product

Used ThermoClean BI corresponds to ThermoClean 37 must not be discharged untreated into surface waters.

Ordering Information

Please refer to our document **ThermoClean - Overview & Compatibility** for the combination possibilities and usability of our ThermoClean products.

This document also contains detailed ordering information on the product and package sizes.

Download from our Internet pages under all ThermoClean products.

Literature & Footnotes

Legends for the graphic symbols and tags used follow relevant norms or are available on our internet pages.

- *1) As the mode of action of germs is very complex microbial growth can not be 100% excluded by ThermoClean BI. But ThermoClean BI is effective against a variety of common germs.