



# ThermoClean DC

## Stabilizing Concentrate for Water Circulation Systems Only 1 mL ThermoClean DC for 1 L Water

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

**ThermoClean** is also 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.

### Characteristic

**ThermoClean DC** is generally used to prevent the growth of molds, algae and bacteria in water bath and water circulating systems. This prevents malodors, clogging of circulation systems and the need for frequently exchanging water.

- **ThermoClean DC** gives you better analysis results!
- **ThermoClean DC** colorless (without indicator) is especially suited for water baths where dye indicators impair visibility.
- **ThermoClean DC** is recommended by leading manufacturers of thermostats and laboratory equipment!

### Properties

- Highly concentrated: Use only 0.1%, equates to only 1 mL of **ThermoClean DC** for 1L water.
- Fluid, 100% water soluble.
- Reliably blocks the growth of algae, bacteria and molds in your water bath or water circulation system for several months.
- This prevents blockages in tubes and the circulation system and „cold sinks“ of temperature controlled cell holders
- Tubes and equipment parts will last longer.
- Saves time as water needs to be exchanged less often.
- Prevents unpleasant odors!
- Contains no aggressive phosphates, acids, or alkalis, is absolutely free of organic solvents and leaves no residues - 100% water soluble.
- No or only very low foaming, even at high circulation rates!
- Suitable for all thermostats and circulation pumps made from water-resistant metals or metal alloys, glass, or any plastic.
- Also suitable for closed circulation systems.

### Reagent

The Reagents are ready to use with a shelf life at room temperature (+10...+35°C) until the printed expiry date.

Batch (LOT) and expiration date indicated on the label.

Do not use if reagent contains any non soluble precipitates.

### Risks and Safety

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/100006-8](http://www.sds-id.com/100006-8) (ThermoClean DC - colorless & blue)

### Notice:

The information on the SDS applies exclusively to the ThermoClean DC concentrate. The finished working solution in the water bath / thermostat corresponds to that of **ThermoClean 95**, so the following SDS is valid for your working solution:



www.sds-id.com



Download über QR-Code oder Link:

[www.sds-id.com/100009-5](http://www.sds-id.com/100009-5) (ThermoClean 95)

### Contents/Main Components

002511-...	<input type="checkbox"/> Cont.	ThermoClean DC (colorless)
		For composition information, see Safety Data Sheet (SDS).
002512-...	<input type="checkbox"/> Cont.	ThermoClean DC (blue)
		For composition information, see Safety Data Sheet (SDS).

Product information ThermoClean DC

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(en)

002510-PR01

### CE - Conformity



- **ThermoClean DC** is the first stabilizing concentrate for water circulation systems worldwide with certified CE conformity and complies with RoHS Directive 2011-65-EU.
- **ThermoClean DC** therefore protects the CE certification of your circulation system (device).
- This applies also, if you impose or recommend the use of **ThermoClean DC** for safe and reliable operation of your circulation system.
- **ThermoClean DC** is the agent of choice for all device manufacturers of water cooling systems without ifs and buts!
- Be on the right side with **ThermoClean DC**.

## Application

Only 0.1%: Add 1 mL ThermoClean DC for every 1 L water filled into the clean circulation system (1 mL = ca. 30 drops). We recommend to use demineralized water - see equipment instructions.

### Temperature range

A wide temperature range from (minus) -40°C ... +85°C, for short periods up to about 95°C can be used. Avoid boiling.

ThermoClean DC is compatible with frost protection:

- Ethylenglycol (1,2-Ethandiol)
- Ethanol
- Glycerol

### ThermoClean DC colorless

Use ThermoClean DC colorless when the color disturbs.

### ThermoClean DC blue

The blue color indicates you that the water contains effective ThermoClean DC blue.

Decreasing color intensity indicates the parallel degradation of the active substances. This process depend on various factors and parameters.

### Replenishment

Any decrease in blue color can be replenished with ThermoClean DC to obtain the required concentration.

For ThermoClean DC colorless we recommend about monthly dosing of 50 % = 0.5 mL/L; at high microbial contamination risk up to 1.0 mL/L.

### Water exchange

Water changes is to be performed when the water is cloudy or all 3 ... 2 months. Cloudy water indicates biological contamination. In this case, a cleaning (complete disinfection) and refilling is recommended.

### Decontamination

ThermoClean DC is 100 % water soluble and can be removed completely by sufficient rinsing with water.

## Guarantee

ThermoClean DC does not contain any toxic mercury (quicksilver) or other heavy metal compounds. It also contains no compounds of aluminum, cobalt, copper, iron or zinc.

## Notes

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

### Instruction for Use

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

If bothersome foam forms through strong circulation, use an additional anti-foaming agent from Bioanalytic.

### Classifications (EU)

#### ThermoClean DC

*Biocidal product Reg.-No.: N-58778. Product type 11: Preservatives for liquid-cooling and processing systems. Mandatory notice pursuant to Article 72, Section 1 of the EU regulation 528/2012: Biocidal product use carefully! Read label and product information before use.*

#### ThermoClean95

*Ready for use circulating system solution, containing ThermoClean DC is no biocidal product in the mind of the regulation.*

#### ThermoClean CP:BT

*No biocidal product, only pure corrosion protective.*

### Support / Information service

For methodological and technical support, please contact us by E-Mail at [support@bioanalytic.de](mailto:support@bioanalytic.de).

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

### Feedback

Information from users can be reported to [support@bioanalytic.de](mailto:support@bioanalytic.de).

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 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!

### 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.