

## Chemical Resistance of the Mastercycler® X50 to Cleaning Reagents and Disinfectants

*This document is a supplement to the operating manual for Mastercycler X50 thermocyclers and not a substitute. Therefore, also read the respective operating manual. The current version can be found on the Internet at [www.eppendorf.com/manuals](http://www.eppendorf.com/manuals).*

Cleaning reagent or disinfectant	Housing, touchscreen & lid handle	Heating plate & thermoblock	Sealing lip of the heating plate
70% Ethanol	A	A	A
70% Isopropyl alcohol	A	A	A
6% Formaldehyde	A	A	A
Biocidal ZF™	B	A	A
4% Dismozon® plus	A	A	A
DNA AWAY®	A	B	A
DNA/RNA-ExitusPlus™	A	A	C
5% Hexaquart® pure	A	A	A
5% Korsolex® basic	A	A	A
Meliseptol®	A	A	A
6% Sodium hypochlorite	B	C	A
RNase AWAY®	A	C	A
RNase-ExitusPlus™	A	A	C
6% Hydrogen peroxide	B	A	A
Spor-Klenz® Ready To Use	B	C	A
3% Incidin™ Plus	B	A	A
CaviCide™	B	A	A
5% DESCOTON Forte	A	A	C
RHEOSEPT®	A	A	A
1.5% Sekusept™ PLUS	B	A	A
2% Klercide™ Low Residue Quat Unit Dose Conc.	A	A	A
0.5% ClearKlens Cleansinald SC VH9	B	A	A
1% ClearKlens Tego® 2000 SC VH25	A	A	A
2% ClearKlens Bi-Spore VH26	A	A	A

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A: no effect on treated surface  
B: notable visual effect on surface  
C: damage of treated surface

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## Cleaning procedure – See Operating Manual for more Details

### Before usage

#### Optical check

- Switch off the device and disconnect it from the mains/power first.
- Allow the device to cool down if necessary.
- Optical check if the device is dry and clean.

#### Cleaning procedure in case surfaces of the device are wet or contaminated

- Use a damp, lint-free cloth to clean wet or contaminated surface of the device.
- If any liquid is present, clean any spills in the thermoblock immediately. If the device has been contaminated by aggressive chemicals, clean it immediately using a mild cleaning agent.
- Wipe contaminated parts of the device using a suitable disinfectant (see table above). Do not allow any liquids to penetrate the inside of the housing.
- Keep the bores of the thermoblock free from dust and lint. Even small deposits will affect the heat transfer between the thermoblock and the vessels.
- Only reconnect the device to the mains/power line when it is completely dry, both inside and outside.



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