

ProCare Lab 10 AO

Cleaning agent

Use:

Liquid concentrate, alkaline. For the automated cleaning of laboratory glassware and laboratory utensils in Miele Professional lab washers.

Main applications:

ProCare Lab 10 AO is for general-purpose use in microbiological, virological and nuclear-medical laboratories as well as in laboratories in the food and paint industry.

Product properties:

- Excellent cleaning performance.
- Good cleaning performance on stubborn organic soiling.
- Removes culture media residues, blood, protein, radioactive contamination, cell tissue and cell layer culture residues.
- Does not contain tensides and other surface-active substances.
- Oxidative effect through active chlorine*.
- Can be used in water hardness range up to max. 5 °dH (max. 1 mmol/l).

Suitable for: Stainless-steel, laboratory glassware¹, ceramics, plastics² (PE, PP, PVDF, PTFE)

Not suitable for: Light metals and non-ferrous metals, light metal alloys, aluminium, anodised aluminium

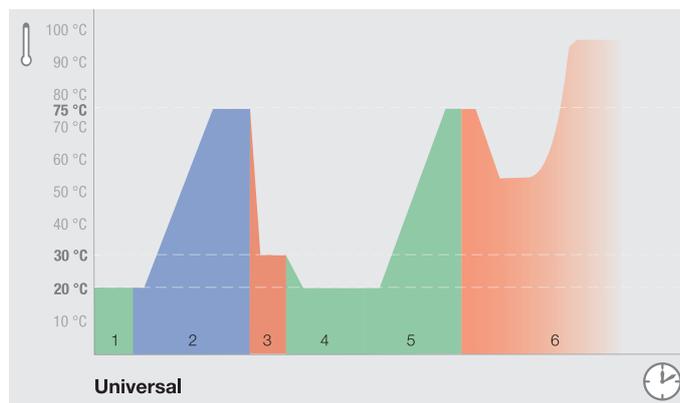
Use and dispensing:

ProCare Lab 10 AO is formulated for use in processes in Miele Professional lab washers.

- Precise and economical dispensing via dispenser pump.
- Suitable dosing dispensers should be used.
- Application concentration: The quantity dispensed depends on the degree of soiling and should be 2 ml/l to 4 ml/l.
- In the acidic neutralisation programme stage, alkaline carryover is neutralised using *ProCare Lab 30 P* or *ProCare Lab 30 C*.
- Minimum dispensing temperature: $\geq 15\text{ }^{\circ}\text{C}$, recommended maximum temperature during use: $\leq 75\text{ }^{\circ}\text{C}$

Programme sequence:

Example based on a universal laboratory programme.



Universal process:

- 1 Pre wash**
Cold water, no heating, no process chemicals
- 2 Main wash**
Cold/hot water, with heating, with *ProCare Lab 10 AO*
- 3 Neutralization**
Cold/hot water, no heating, with *ProCare Lab 30 P* or *ProCare Lab 30 C*
- 4 Several rinses**
Cold/hot water or demineralised water/ultra-pure water, no heating
- 5 Final rinse**
Fully demineralised water/ultra-pure water, with heating
- 6 Drying**

Please note!

- *ProCare Lab 10 AO* wash solution has to be completely rinsed off with water (preferably fully demineralised water).
- Do not mix with other products.
- Before switching products, rinse the dispensing system, including intake hoses, with water.
- Observe any cleaning recommendations issued by the manufacturers of laboratory glassware.
- The use of fully demineralised water in the final rinse is recommended to avoid water stains.
- Operating instructions for Miele Professional lab washers must be observed.
- For commercial applications only.

* **Note:** The use of cleaning agents containing active chlorine results in increased levels of damage to organic materials such as plastics and elastomers in washer-disinfectors. A temperature of 75 °C should therefore not be exceeded in main wash cycles when using cleaning agents containing higher concentrations of chlorine. In order to prevent such wear and tear, Miele recommends that machines be serviced annually or after 1,000 operating hours. A failure to perform regular maintenance may invalidate guarantee and warranty claims. Please contact Miele Service or request an offer for a maintenance contract.

¹Types of glass and ²plastics suitable for alkaline machine-based cleaning in accordance with the manufacturer's instructions.

Cleaning agent

Technical data:

- Density (20 °C): approx. 1.3 g/cm³
- pH value (determined using fully demineralised water, 20 °C) 2 ml/l to 4 ml/l: approx. 11.8 to 12.1

Ingredients according to Regulation (EC) No 648/2004 on detergents:

- < 5 % chlorine bleach
- 5 % to 15 % phosphates

Storage information:

- Store in frostfree conditions and keep away from sunlight.
- Storage temperature: 0 °C to 25 °C
- Can be used for 1 year under proper storage conditions.
- Use-by date: See label next to hourglass symbol .

Warning and safety notes:

For safety and environmental information, cf. safety data sheets. These are available from the Miele websites listed below.

Dispose of containers only when empty and sealed. Disposal of product residue: refer to safety data sheet.

All information contained herein is current and correct to our knowledge. This does not however release users from obligations to perform their own trials and experiments. This cannot be deemed as a legal warranty of product characteristics or properties.

Packaging units and accessories:

Designation	Packaging unit
<i>ProCare Lab 10 AO</i>	5 l canisters
Canister key	for 5 l, 10 l and 20 l canisters
DTD2 Drip tray	for 5 l and 10 l canisters

Contact information:**Germany**

Miele Vertriebsgesellschaft Deutschland KG
Carl-Miele-Straße 29
33332 Gütersloh
Tel.: +49 800 22 44 644
vertrieb@miele-professional.de
www.miele.de/professional

Canada

Miele Limited
161 Four Valley Drive
VAUGHAN
Ontario L4K 4V8
KANADA
Tel. +1 905 532-2270
customercare@miele.ca
www.miele.ca

United Kingdom

Miele Company Ltd.
Fairacres, Marcham Road
Abingdon
OX14 1TW
Tel. +44 0330 160 6693
professional.sales@miele.co.uk
www.miele.co.uk/p/

Ireland

Miele Ireland Ltd
Block 5 High St
Tallaght
Dublin
D24 YK8N
Ireland
Tel. +353 1 4499260
professionalprotect@miele.ie
www.miele.ie

USA

Miele Inc.
9 Independence Way
Princeton, NJ 08540
Tel.: 800-991-9380
ProService@mieleusa.com
www.mieleusa.com/p/

South Africa

Miele (Pty) Ltd.
63 Peter Place
BRYANSTON 2194
SÜDAFRIKA
Tel. +27 11 875-9000
info@miele.co.za
www.miele.co.za

**Germany**

Chemische Fabrik
Dr. Weigert GmbH & Co. KG
Mühlenhagen 85
20539 Hamburg
www.drweigert.de