

Product information

FD 300 surface disinfection



FD 300 at a glance

- Concentrate for cleaning and disinfection of surfaces on non-invasive medical devices and other surfaces in hospitals, private practices, and laboratories.
- Comprehensive spectrum of activity: bactericidal, tuberculocidal, fungicidal, virucidal.
- Tested in accordance with current DGHM guidelines and European standards.
- VAH list.
- Above-average material compatibility.
- Low application concentration.
- Aldehyde-free – its mechanism of action is based on alkylamines and quaternary ammonium cations.
- Especially recommended for use in combination with FD multi wipes/FD multi wipes compact.
- Also available in practical, ready-to-use disinfecting wipes, FD 300 top wipes.

Properties

FD 300 from Dürr System Hygiene is a highly effective, aldehyde-free product for cleaning and disinfection of surfaces on non-invasive medical devices and other surfaces in hospitals, private practices, and laboratories. FD 300 features excellent material compatibility. FD 300 ensures increased safety and protection when used regularly. FD 300 is especially recommended for use with FD multi wipes/FD multi wipes compact.

Product composition

The FD 300 mechanism of action is based on a synergistic combination of alkylamines and quaternary ammonium cations. 100 g FD 300 contain 12 g 3-aminopropyldodecyl-1,3-propanediamine, 7 g didecylmethylpoly(oxyethyl)ammonium propionate, 5-15% nonionic surfactants, < 5% complexing agents, < 5% alkaline cleaning components, excipients, and water.

Microbiological efficacy

FD 300 is bactericidal¹⁾, tuberculocidal¹⁾, fungicidal¹⁾, virucidal (enveloped viruses, including HBV, HCV, and HIV^{2), 3)} as well as non-enveloped viruses, such as adenoviruses^{2), 4)}, SV40 polyomaviruses²⁾, noroviruses^{2), 4)}, polioviruses^{2), 4)}). VAH list. Tested in accordance with EN 13727, EN 13624, EN 14348, EN 14563, EN 16615, EN 13697, EN 14476.

Directions for use

The application concentration in accordance with VAH is 1% or 2% with an exposure time of 15 or 5 minutes, respectively. The concentration for fast application is 3% with an exposure time of 2 min. Wipe surfaces with a wet cloth. Follow the manufacturer's specifications, as applicable. Make sure to evenly wet the surfaces to be treated. Alternatively, soak FD multi wipes/FD multi wipes compact in FD 300 1-3% and use the same procedure. Make sure to wet surfaces completely. The FD multi wipes/FD multi wipes compact instructions for use include additional instructions.

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Environmental impact

All of the organic components of FD 300 are biodegradable at dilution levels that occur in wastewater. The packaging is made of polyethylene and polypropylene and can thus be recycled or incinerated. For recycling, flush bottles with water. The safety data sheet includes disposal instructions for the concentrate.

Physical data

Concentrate:

Appearance: clear, green, low-viscosity liquid

Density: $D = 1.05 \pm 0.01 \text{ g/cm}^3$ (20°C)

pH: 13.9 ± 0.5

Working solution (1%):

Appearance: clear, light-green solution

pH: 11.9 ± 0.5

Shelf life

Concentrate: 3 years

Working solution: Unused solution 28 days, dispose of used solution following use.

Container size

2.5-L bottle

Storage

Store product at between 5°C and room temperature.

Accessories

FD multi wipes/FD multi wipes compact

General instructions

Cleaning and disinfection must be performed daily in all areas where infections may originate or where protection against contamination is required. In order to prevent surface changes when using FD 300, we recommend wiping down surfaces regularly at least once each week and/or rinsing surfaces with clear water, as necessary. FD 300 is not suitable for aluminium surfaces. Always follow the manufacturer's instructions carefully in the case of surfaces of unknown materials or test for compatibility in an incons-

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Application	Concentration	Time
Surface disinfection (in accordance with VAH)	1% ¹⁾	15 min
	2% ¹⁾	5 min
	3% ¹⁾	2 min
Bacteria and fungi	1% ¹⁾	15 min
Tb bacteria	1% ¹⁾	60 min
Vaccinia viruses including HBV, HCV, HIV	1% ^{2), 3)}	1 min
Adenoviruses	2% ⁴⁾	5 min
	4% ^{2), 4)}	5 min
SV40 polyomaviruses	1% ²⁾	5 min
Noroviruses	2% ⁴⁾	5 min
	4% ^{2), 4)}	5 min
Polioviruses	2% ⁴⁾	5 min
	4% ^{2), 4)}	5 min

1) Testing at high burden (VAH, EN 13727, EN 13624, EN 14348, EN 14563, EN 16615, EN 13697).

2) Testing with and without burden in accordance with DVV/RKI guidelines.

3) In accordance with RKI statement (Federal Health Bulletin 60, 353-363, 2017).

4) Values in accordance with EN 14476: low burden; high burden 4%/5 min.

picuous place. Changes in product colour/odour may occur, especially when stored in sunlight. However, these changes in colour and/or odour have no impact on the disinfection efficacy of the product.

Hazard warnings

FD 300 is classified and labelled in accordance with the CLP Regulation: see product label and safety data sheet.

Independent expert opinions – in-house investigations

The expert opinions are available upon request.

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