

Product information

FD 300 surface disinfection



FD 300 at a glance

- Concentrate for cleaning and disinfection of surfaces on non-invasive medical devices and medical furnishings in private practices, laboratories and hospitals
- Comprehensive spectrum of activity: bactericidal, tuberculocidal, yeasticidal, virucidal (enveloped viruses incl. HBV, HCV, HIV, coronaviruses as well as non-enveloped viruses, such as adenoviruses, polyomaviruses SV 40, noroviruses, polioviruses)
- Tested in accordance with current VAH methods, DVV/RKI guidelines and European standards
- VAH list. IHO list of disinfectants
- Good material compatibility
- Low application concentration
- Aldehyde-free – its mechanism of action is based on alkylamines and quaternary ammonium compounds
- 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 concentrate for the cleaning and disinfection of surfaces on non-invasive medical devices and medical furnishings in private practices, laboratories and hospitals. FD 300 is distinguished by its good material compatibility. FD 300 is especially recommended for use in combination 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 compounds. 100 g FD 300 contains 12 g 3-aminopropyl-dodecyl-1,3-propanediamine, 7 g didecylmethylpoly(oxyethyl)ammonium propionate as well as 5–15% non-ionic surfactants, < 5% complexing agents, < 5% alkaline cleaning components, excipients and water.

Microbiological efficacy

FD 300 is bactericidal¹⁾, tuberculocidal¹⁾, yeasticidal¹⁾, virucidal (enveloped viruses incl. HBV, HCV and HIV^{2), 3)} as well as non-enveloped viruses, such as adenoviruses^{2), 4)}, polyomaviruses SV 40²⁾, noroviruses^{2), 4)}, polioviruses^{2), 4)}. FD 300 is included in the VAH list and IHO list of disinfectants. Tested in accordance with DVV/RKI guidelines, EN 13727, EN 13624, EN 14348, EN 16615, EN 14476.

Directions for use

FD 300 is used as a 1% or 2% solution with an exposure time of 15 and 5 minutes, respectively. Inactivation of viruses takes place at 4% - 5 minutes and of Tb bacteria at 1% - 60 minutes. For a 2% solution, use the measuring cup in the cap to dose 20 mL of FD 300 (marking corresponds to 20 mL) and fill with water to 1 litre. Apply FD 300 working solution to a cloth and fully wet the surfaces. Wipe the surfaces and objects to be disinfected and allow the exposure time to elapse. Disinfect visibly contaminated surfaces with the working solution and remove contamination. Disinfect cleaned surfaces again. Make sure to evenly wet the surfaces to be treated. Alternatively, soak FD multi wipes/FD multi wipes compact in FD 300 (1%–4%) and use the same procedure. Make sure to wet surfaces completely.

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Environmental impact

The packaging is made of polyethylene and polypropylene and can thus be recycled or incinerated. For recycling, flush bottles with water.

For further information see safety data sheet.

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. Do not mix FD 300 with other products. Do not use FD 300 on surfaces that have already been treated with products containing aldehydes such as glutaraldehyde or glyoxal. Contact with FD 300 may result in discolourations. In order to prevent surface changes when using FD 300, surfaces should be wiped regularly at least once each week and/or rinsed with clear water, as necessary. FD 300 is not suitable for aluminium surfaces. In isolated cases, the release of ingredients from glove materials (e.g. latex) may cause discolouration of plastic surfaces. Follow the manufacturer's instructions in the case of sur-

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Application	Concentration	Time
Surface disinfection (VAH methods)	1 % ¹⁾	15 min
	2 % ¹⁾	5 min
Bacteria and yeasts	1 % ¹⁾	15 min
	2 % ¹⁾	5 min
Tb bacteria	1 % ¹⁾	60 min
Enveloped viruses incl. HBV, HCV, HIV, coronaviruses	1 % ^{2), 3)}	1 min
Adenoviruses	2 % ⁴⁾	5 min
	4 % ^{2), 4)}	5 min
Polyomaviruses SV 40	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 load (VAH, EN 13727, EN 13624, EN 14348, EN 16615).

2) Testing with and without load 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 load; high load 4%/5 min.

faces made from unknown materials and/or test for compatibility in an inconspicuous 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. Recycle cleaned packaging. Use exclusively by qualified personnel. All serious incidents that occur in association with the product must be immediately reported to the manufacturer and the competent authority of your member state.

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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