

Product information

Orotol® plus disinfection of suction systems



Orotol® plus at a glance

- Concentrate for simultaneous disinfection, deodorisation, cleaning and care of dental suction systems, amalgam separators and spittoons
- Broad spectrum of activity: bactericidal, yeasticidal, virucidal activity against enveloped viruses (enveloped viruses incl. HBV, HCV, HIV and coronaviruses), non-enveloped adenoviruses and noroviruses
- Tested in accordance with current VAH methods and European standards. Virucidal activity against enveloped viruses in accordance with DVV/RKI guidelines
- VAH list, IHO list of disinfectants
- The solution for contaminated suction systems – guarantees reliable protection against infection
- Application concentration of only 2%
- Extraordinary cleaning power, removes even the most stubborn deposits, even from areas that are difficult to access
- Aldehyde-free – its mechanism of action is based on quaternary ammonium compounds

Properties

Orotol® plus from Dürr System Hygiene is a highly effective concentrate for the simultaneous disinfection, deodorisation, cleaning and care of all dental suction systems, amalgam separators and spittoons. Select disinfectant and cleaning components achieve intensive care without foam, are gentle on materials and safe for the environment. Daily application of Orotol® plus ensures the technically and hygienically sound operation of dental suction systems, even with high levels of microbial contamination and debris (e.g. saliva, amalgam and dentine dust, blood, etc.).

Product composition

Orotol® plus is based on a combination of quaternary ammonium compounds, alkaline cleaning components, complexing agents, special antifoaming agents and excipients in aqueous solution. 100 g Orotol® plus contains: 4.4 g dimethyldioctylammonium chloride, 0.6 g benzyldimethyldodecylammonium chloride.

Microbiological efficacy

Orotol® plus is bactericidal, yeasticidal, virucidal activity against enveloped viruses (enveloped viruses incl. HBV, HCV, HIV and coronaviruses), non-enveloped adenoviruses and noroviruses. Orotol® plus is included in the VAH list and IHO list of disinfectants. Tested under high load in accordance with EN 13727, EN 14561, EN 13624, EN 14562, EN 14476, EN 17111 as well as DVV/RKI guidelines.

Directions for use

Orotol® plus is used at a 2% concentration. Prepare by filling 20 mL Orotol® plus eco to a volume of 1 L with cold water and aspirate through the system, e.g. using the OroCup. Add at least 250 mL solution to the spittoon also. In accordance with VAH, the exposure time in 2% concentration is 5 minutes (bactericidal / yeasticidal). Inactivation of viruses takes place at 2% - 30 minutes to 60 minutes. We recommend cleaning and disinfecting the suction system with Orotol® plus once or twice a day, depending on the load. If two applications are needed, do so before lunchtime and after the end of treatment. If only one application is needed, do so exclusively in the evening after the end of treatment. Clean and disinfect the spittoon in addition with Orotol® plus, if neces-

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sary. Follow the device manufacturer's instructions and country-specific requirements.

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, yellow liquid

Density: $D = 1.09 \pm 0.02 \text{ g/cm}^3$ (20°C)

pH: 12.8 ± 0.3

Working solution (2%):

Appearance: colourless solution

pH: 10.5 ± 0.5

Shelf life

Concentrate: 3 years

Working solution (2%): 1 day

Container size

2.5-L bottle

Storage

Store product at between 5°C and room temperature.

Accessories

OroCup

General instructions

After surgical procedures, aspirate one glass of cold water in spurts. Do not introduce foaming agents into the suction system or the spittoon. Do not mix Orotol® plus with other products. 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. 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

Orotol® plus 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.



Application		Concentration - Time relation
Recommended application for suction systems according to VAH (surface and instrument disinfection)	Bactericidal / Yeasticidal	2% - 5 min
Type of activity	Tested according to	Concentration - Time relation
Bacteria and Yeasts		
Bactericidal / Yeasticidal	EN 13727, EN 14561, EN 13624, EN 14562, EN 16615	2% - 5 min
Viruses		
Virucidal activity against enveloped viruses (enveloped viruses incl. HBV, HCV, HIV as well as Coronaviruses)	EN 14476, EN 17111	2% - 30 min ¹⁾
	DVV / RKI guidelines	2% - 30 min
Adenoviruses	EN 14476, EN 17111	2% - 30 min ²⁾
Noroviruses	EN 14476, EN 17111	2% - 60 min

1) EN 14476 at low load. High load 2% - 60 min

2) EN 14476 at low load. High load: 2% - 2 h

Sales

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