Product information
Orotol® ultra disinfection of suction systems

Orotol® ultra at a glance

- Powdered concentrate for simultaneous cleaning, disinfection, deodorisation, and care of dental suction systems, amalgam separators, and spittoons.
- Comprehensive spectrum of activity: bactericidal, tuberculocidal, sporicidal (Cl. difficile), fungicidal, virucidal, including HBV, HCV, HIV.
- Tested in accordance with current DGHM guidelines and European standards.
- VAH list.
- The solution for contaminated suction systems – guarantees reliable protection against infection.
- Application concentration of only 1%.
- Major cleaning power, removes stubborn deposits even from areas that are difficult to access.
- Modern combination of active substances – its mechanism of action is based on active oxygen.
- Environmentally friendly – readily biodegradable in accordance with OECD Guidelines.

Properties

Orotol® ultra from Dürr System Hygiene is a highly effective, powdered concentrate for the cleaning, disinfection, deodorisation, 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® ultra ensures the technically and hygienically sound operation of dental suction systems and amalgam separators, even with high levels of microbial contamination and debris (e.g. saliva, amalgam and dentine dust, blood, etc).

Product composition

The mechanism of action of Orotol® ultra is based on active oxygen. 100 g Orotol® ultra contain 25 g sodium carbonate peroxyhydrate, 5-15% alkaline cleaning components, < 5% complexing agents, and < 5% special antifoaming agents, as well as fragrances and excipients.

Microbiological efficacy

Orotol® ultra is bactericidal[1], tuberculocidal[1], sporicidal[2] (Cl. difficile), fungicidal[1], virucidal (enveloped viruses, including HBV, HCV, and HIV[3, 4] and non-enveloped viruses, such as adenoviruses[1, 3], SV40 polyomaviruses[3], noroviruses[1, 3], polioviruses[1, 3]). VAH list. Tested in accordance with EN 13704, EN 13727, EN 13624, EN 14348, EN 14561, EN 14562, EN 14563, EN 14476.

Directions for use

Orotol® ultra is used at a 1% concentration in accordance with VAH. Prepare by filling 10 g (= 1 scoop) to a volume of 1 L with lukewarm water (approx. 30°C) and aspirate through the system using the OroCup. We recommend cleaning and disinfecting the suction system with Orotol® ultra once or twice a day, depending on the burden. If only one application is needed, then apply Orotol® ultra exclusively after the final treatment of the day. Add at least 250 mL solution to the spittoon also. Rinse disinfected system thoroughly with water after the exposure time has elapsed. If the tap water is problematic (e.g. hard water) or to dissolve residues of

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prophylaxis powders or pearl products with poor solubility, we recommend using MD 555 Special Cleaner in addition to Orotol® ultra.

Environmental impact

Orotol® ultra is readily biodegradable in accordance with OECD Guideline 301 D. The storage container is reusable. The refill packs can be recycled or incinerated. For recycling: Empty refill packs completely.

Physical data

Powder:

Appearance: white to slightly yellowish powder with a fresh odour

Working solution (1%):

Appearance: colourless solution

pH: 9.5 ±0.5

Shelf life

Concentrate: 20 months

Prepare fresh working solution for each application.

Package sizes

500-g pouch

Refill pack with 8 x 500-g pouches, 1 scoop in the box.

Storage

Store product in a dry place as cool as possible or at room temperature, but not above 30°C.

Accessories

Storage container, scoop, OroCup

General instructions

After surgical procedures, aspirate with cold water in spurts. 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.

Application	Concentration	Time
Suction system disinfection (tested in accordance with VAH instruments)[1)]	1%	5 min
Bacteria[1)] and yeasts[1)]	1%	5 min
Tb bacteria[1)]	4%	60 min
Clostridium difficile[2)]	1%	15 min
Moulds[1)]	4%	4 hours
Vaccinia viruses including HBV, HCV, HIV[3), 4)]	1%	15 min
Adenoviruses[1), 3)]	1%	5 min
SV40 polyomaviruses[3)]	1%	5 min
Noroviruses[1), 3)]	1%	5 min
Polioviruses[1), 3)]	2%	60 min

1) Testing at high burden (VAH, EN 13727, EN 13624, EN 14348, EN 14561, EN 14562, EN 14563, EN 14476).
2) Testing at low burden (EN 13704).
3) Testing with and without burden in accordance with DVV/RKI guidelines.
4) In accordance with RKI statement (Federal Health Bulletin 60, 353-363, 2017).

Hazard warnings

Orotol® ultra 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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