

Product information

Orotol[®] plus disinfection of suction systems

Characteristics

Orotol[®] plus from Dürr System-Hygiene is a highly effective concentrate for the simultaneous disinfection, deodorization, cleaning and care of all dental suction systems, amalgam separators as well as spittoon bowls. Selected disinfecting and cleansing agents enable highly effective care without foam, care that is easy on the system itself and the environment. When used daily, Orotol plus ensures trouble-free operation of the suction systems, even with extremely high dirt and germ loads (e.g. saliva, amalgam and dentine dust, blood, etc.), both with regard to function and hygiene.

Chemical composition

Orotol[®] plus is based on a combination of quaternary ammonium compounds, alkaline cleansing agents, complexing agents, special antifoaming agents and adjuvants in aqueous solution. 100 g Orotol[®] plus contain: 8.8 g dimethyl-dioctyl-ammoniumchloride 50%, 1.2 g benzyl-dimethyl-dodecyl-ammoniumchloride 50%.

Microbiological effectiveness

Orotol[®] plus is bactericidal, tuberculocidal, fungicidal¹⁾, virucidal with limited effectiveness²⁾ (enveloped viruses, e.g. vaccinia viruses inclusive of HBV, HCV, HIV, non-enveloped viruses, e.g. adeno viruses, noro viruses³⁾).
List of VAH/DGHM. Tested in accordance with EN 13727, EN 13624, EN 14348, EN 14561, EN 14562, EN 14563, EN 14476.

Any information on our products is based on detailed internal and external scientific examinations, and recommendations are given to the best of our knowledge. Liability is being judged in accordance with our General Terms of Sale and Delivery which are available upon demand at any time.



Orotol[®] plus features in brief

- Concentrate for the simultaneous disinfection and cleaning, deodorization and care of dental suction systems, amalgam separators and spittoon bowls.
- Broad effective spectrum: bactericidal, tuberculocidal, fungicidal, virucidal with limited effectiveness (enveloped viruses, e.g. vaccinia viruses inclusive of HBV, HCV, HIV, non-enveloped viruses, e.g. adeno or noro viruses).
- Tested in accordance with the current DGHM guidelines and European standards.
- List of VAH/DGHM. Tested in accordance with EN 13727, EN 13624, EN 14348, EN 14561, EN 14562, EN 14563, EN 14476.
- The solution for contaminated suction systems - guarantees safe infection control.
- Application concentration 2% only.
- Excellent cleaning activity - removes stubborn deposits, even in difficultly accessible places.
- Aldehyde-free - activity based on quaternary ammonium compounds.

COMPRESSED AIR
SUCTION
IMAGING
DENTAL CARE
HYGIENE

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Directions for use

Orotol[®]plus is used as a 2% solution. Fill 20 ml Orotol[®]plus up to 1 litre with cold water and draw through suction system, using the OroCup. Fill at least 250 ml of the solution into the spittoon bowl. Observe the necessary exposure time. Thoroughly rinse disinfected suction system with water. We recommend disinfecting and cleaning suction systems once or twice a day, according to the work load. Once daily disinfecting and cleaning should be done at night after surgery ends for the day - using Orotol[®]plus for disinfection and cleaning.

Environmental behaviour

Orotol[®] plus is easily biodegradable according to OECD guideline 301 D. The packing is made of polyethylene and can therefore be exploited both materially and thermally. For recycling, rinse bottle with water.

Physical properties

Concentrate:

Appearance: clear, yellow fluid

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

pH value: 12.8 ± 0.3

2% ready-to-use solution:

Appearance: colourless solution

pH value: 10.5 ± 0.5

Shelf life

Concentrate: 3 years

2% ready-to-use solution: 1 day

Packaging size

2.5-litre bottle

Application	Concentration	Time
Disinfection of suction systems (tested in accordance with the DGHM guidelines for instruments/surfaces)	2%	5 min.
Bacteria and fungi¹⁾	2%	5 min.
Tb bacteria	2%	60 min.
Aspergillus niger	2%	60 min.
Vaccinia viruses inclusive of HBV, HCV, HIV²⁾	2%	10 min.
Adeno viruses	2%	30 min.
Noro viruses³⁾	2%	30 min.

1) Test with *Candida albicans*.

2) In accordance with RKI recommendation (Bundesgesundheitsbl. 47, 62 - 66, 2004).

3) Test with MNV surrogate virus.

Storage

Cool, but not below 5°C

Accessories

OroCup, screw-on dosing device

Caution

After surgical procedures, aspirate cold water intermittently.

Warning

Orotol[®]plus is classified as irritant according to the Directives relating to the classification, packaging and labelling of dangerous substances and preparations. Danger of serious damage to eyes. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. We recommend wearing protective gloves.

Independent expert opinions - own test reports

All expert reports are available upon request.