

Product information

Orotol[®] disinfection of suction systems

Characteristics

Orotol[®] from Dürr System-Hygiene is a highly effective special preparation for the simultaneous disinfection, deodorization, cleaning and care of dental suction systems. Orotol[®] provides automatic, low-wear, suds-free cleaning and, when used daily, ensures trouble-free operation of suction systems both with regard to function and hygiene, even with extremely high dirt and germ loads (e.g. saliva, amalgam and dentine dust, blood, etc.).

Chemical composition

Orotol[®] is based on a synergistic combination of halogenated alkyl and aryl phenols, complexing agents, solubilizers and adjuvants in aqueous solution. 100 g of Orotol[®] contain: 4.6 g Na-4-chloro-3-methylphenolate, 1.1 g Na-2-phenylphenolate, 2.0 g Na-2-benzyl-4-chlorophenolate.

Microbiological effectiveness

Orotol[®] is effective against bacteria inclusive of Tb, fungi and viruses, and has been additionally tested for effectiveness against the hepatitis B virus and the AIDS virus HIV.

Numerous independent expert reports are available for Orotol[®], including some according to the guidelines of the DGHM and the DVG.



Orotol[®] features in brief

- Concentrate for the simultaneous disinfection and cleaning, deodorization and care of dental suction systems.
- Broad effective spectrum with repository effect: bactericidal, tuberculocidal, fungicidal, virucidal (enveloped viruses, HBV, HIV).
- The solution for contaminated suction systems - ensures safe protection against infections.
- Good cleaning activity.

COMPRESSED AIR
SUCTION
IMAGING
DENTAL CARE
HYGIENE

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 judged in accordance with our General Terms of Sale and Delivery which are available upon demand at any time.

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Directions for use

Orotol[®] is used as a 5% solution. Fill 50 ml of Orotol[®] up to 1 litre with cold water and draw through the suction system using the OroCup. We recommend disinfecting and cleaning suction systems once or twice a day, according to work load, before the lunch break and at the end of the day. Once daily disinfecting and cleaning should be done at night after surgery ends for the day - using Orotol[®] for disinfection and cleaning.

Environmental behaviour

Orotol[®] solutions are ecologically safe. In the natural dilution of flush water, all active constituents are biodegradable. The pack-*ing* is made of polyethylene and can therefore be exploited both materially and thermally. For recycling, rinse bottle thoroughly with water.

Physical properties

Concentrate:

Appearance: clear, brown fluid

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

pH value: 12.6 ± 0.3

5% ready-to-use solution:

Aussehen: hellbraune, milchige Lösung

pH-Wert: $10,5 \pm 0,5$

Shelf life

Concentrate: 3 years

Ready-to-use solution: 1 day

Packaging size

2.5-litre bottle

Storage

Cool, but not below 5°C

Application	Concentration	Time
Disinfection of suction systems	5%	60 min.
Bacteria and fungi	5%	5 min.
Tb bacteria	5%	60 min.
Enveloped viruses	5%	60 min.
Hepatitis B virus	5%	10 min.
HIV	5%	30 min.

Accessories

OroCup, screw-on dosing device

Caution

Formation of crusts and deposits in suction systems can be avoided if cold water is aspirated intermittently immediately after each case, especially in the case of surgical operations. Never use foaming disinfectants!

Depending on the storage conditions (time, temperature), Orotol[®] might discolour from originally yellow into brown or even dark brown. This is a natural process which does not influence either the properties or the effectiveness of Orotol[®].

Warning

Orotol[®] is classified as irritant according to the Directives relating to the classification, packaging and labelling of dangerous substances and preparations. Irritating to eyes and skin. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. 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 report

All expert reports are available upon request.