

Product information

ID 212 instrument disinfection



ID 212 features in brief

- Concentrate for the simultaneous disinfection and cleaning of the general and surgical instrumentarium as well as of alkali- and alcohol-sensitive rotary instruments in practices, laboratories and clinics.
- Comprehensive effective spectrum: bactericidal, tuberculocidal, fungicidal, virucidal with limited effectiveness (enveloped viruses, e.g. vaccinia viruses inclusive of HBV, HCV and HIV and non-enveloped viruses, e.g. noro viruses).
- Tested in accordance with the current DGHM standard methods and the European standards.
- VAH List.
- Application concentration: 2 % only.
- Particularly suitable for use in ultrasonic cleaning units, e.g. the Hygersonic.
- Extraordinary cleaning action - removes the most stubborn contaminations.
- Excellent material compatibility especially with instruments incorporating rubber or silicone parts.
- Aldehyde-free – based on quaternary ammonium compounds.

Characteristics

ID 212 from Dürr System-Hygiene is a highly effective, aldehyde-free concentrate for the simultaneous cleaning and disinfection of the general and surgical instrumentarium (e.g. mirrors, probes, tweezers, forceps, etc.) in practices, laboratories and clinics. An additional field of application is the disinfection and cleaning of the alkali- and alcohol-sensitive rotary instrumentarium such as root canal instruments with colour-coded handpieces, soldered carbide cutters, precious corundum stones, rubber polishing items. Also suitable for disinfecting nickel-titanium endodontic instruments. ID 212 stands out for its excellent cleaning activity and material compatibility - contains special corrosion inhibitors. ID 212 is economical due to its low application concentration and has a pleasant, fresh fragrance.

Chemical composition

ID 212 is based on a combination of quaternary ammonium compounds, guanidine derivatives, non-ionic surfactants, alkaline detergents, corrosion inhibitors, adjuvants and benzyl salicylate in aqueous solution. 100 g of ID 212 contain 18 g alkyl-benzyl-dimethyl-ammonium chloride 50 %, 0.1 g guanidine compound.

Microbiological effectiveness

ID 212 is bactericidal^[1], tuberculocidal^[2], fungicidal^[1], virucidal with limited effectiveness (enveloped viruses, e.g. vaccinia viruses inclusive of HBV, HCV and HIV^{[3], [4]} and non-enveloped viruses, e.g. adeno viruses^[1] noro viruses^[1]). VAH List. Tested in accordance with EN 13727, EN 13624, EN 14476, EN 14561, EN 14562.

Directions for use

When disinfecting the general and surgical instrumentarium in an instrument container (e.g. the Dürr Dental Hygobox) or rotary instruments in the fraise, ID 212 requires an exposure time of 5 minutes at a 2 %. It is possible to prolong the action period to 30 to 60 minutes if heavily soiled instruments are to be disinfected. We recommend 2 minutes at a 2% concentration in an ultrasonic cleaner. Thoroughly rinse disinfected instruments with running water after the exposure time has lapsed. If necessary, brush off stubborn soilings and re-disinfect. Dry the instruments. Only use perfectly

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clean and dry instruments for subsequent sterilization. Critical instruments have to be sterilized in suitable packagings for sterile products and have to be stored in a sterile condition. Semi-critical instruments can also be sterilized and stored without packaging on trays, etc.

Environmental behaviour

ID 212 solutions are ecologically harmless. If adequately diluted, all active constituents are biodegradable in flush water.

The packing is made of polyethylene and can therefore be exploited materially and thermally. For recycling, rinse bottle with water.

Physical properties

Concentrate:

Appearance: clear, blue fluid of low viscosity

Density: $D = 1.05 \pm 0,01 \text{ g/cm}^3$ (20°C)

pH value: $12.1 \pm 0,3$

2 % ready-to-use solution:

Appearance: clear, light blue solution

pH value: 10.5 ± 0.5

Shelf life

Concentrate: 4 years

Ready-to-use solution: fresh solution 28 days, used solutions max. 7 days depending on contamination.

Packaging size

2.5-litre bottle

1-litre bottle

Storage

Store product at 5°C to room temperature max.

Accessories

Hygobox, Hygosonic, instrument tweezers.

General information

Incubated general and surgical instrumentarium as well as rotary instruments may remain in the ID 212 ready-to-use solution for up to 12 hours.

Application	Concentration	Time
Instrument disinfection (according to VAH)¹⁾	2 %	5 min.
Bacteria¹⁾ and yeast fungi¹⁾	2 %	5 min.
Bacteria¹⁾ and yeast fungi¹⁾ in ultrasonic equipment	2 %	2 min.
Tb bacteria²⁾ in ultrasonic equipment	2 %	60 min.
Aspergillus niger¹⁾	4 %	60 min.
Vaccinia viruses including HBV, HCV, HIV^{3), 4)}	2 %	1 min.
Adeno viruses¹⁾	4 %	30 min.
Noro viruses¹⁾	4 %	60 min.

1) Testing at high burden.

2) Testing in ultrasonic equipment.

3) Test with and without load.

4) In accordance with RKI recommendations (Bundesgesundheitsbl. 47, 62-66, 2004).

Hazard Statement

ID 212 is classified and labelled according to the CLP Regulation: see product label and safety data sheet.

Independent expert opinions - own test reports

All expert reports are available upon request.

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