

Product information

ID 212 instrument disinfection



ID 212 at a glance

- Concentrate for cleaning and disinfection of general and surgical instrument sets (e.g. mirrors, probes, forceps, tongs, etc.) in private practices, laboratories and hospitals in the field of dental medicine
- Broad spectrum of activity: bactericidal, yeasticidal, tuberculocidal in the ultrasonic cleaner, virucidal activity against enveloped viruses (enveloped viruses incl. HBV, HCV, HIV, coronaviruses as well as non-enveloped adenoviruses, noroviruses)
- Tested in accordance with current VAH methods and European standards. Virucidal activity against enveloped viruses in accordance with DVV/RKI guidelines as well as EN 14476 and EN 17111
- VAH list. IHO list of disinfectants
- ID 212 is economical due to its low application concentration, which is only 2% in accordance with VAH
- Particularly suitable for use in ultrasonic cleaners such as Hygasonic
- Excellent material compatibility, especially in the case of instruments with rubber/silicone components
- Aldehyde-free – its mechanism of action is based on quaternary ammonium compounds

Properties

ID 212 from Dürr System Hygiene is a highly effective, aldehyde-free concentrate for cleaning and disinfection of general and surgical instrument sets (e.g. mirrors, probes, forceps, tongs, etc.) in private practices, laboratories and hospitals in the field of dental medicine. An additional area of application is the disinfection and cleaning of alkali-sensitive and alcohol-sensitive rotary instrument sets, e.g. soldered carbide milling tools, aluminium oxide stones, rubber polishers. It is also suitable for nickel titanium endodontic instruments as well as certain synthetic resin bonded instruments. ID 212 is gentle on materials.

Product composition

ID 212 is based on a combination of quaternary ammonium compounds, guanidine derivatives, non-ionic surfactants, alkaline cleaning components, corrosion inhibitors, excipients and benzyl salicylate in aqueous solution. 100 g ID 212 contains 9 g alkyl benzyl dimethyl ammonium chloride, 0.1 g guanidine.

Microbiological efficacy

ID 212 is bactericidal¹⁾, yeasticidal¹⁾, tuberculocidal¹⁾ in the ultrasonic cleaner, virucidal activity against enveloped viruses (enveloped viruses incl. HBV, HCV and HIV^{1), 2), 3)} as well as non-enveloped adenoviruses¹⁾ and noroviruses¹⁾. ID 212 is included in the VAH list and IHO list of disinfectants. Virucidal activity against enveloped viruses in accordance with DVV/RKI guidelines. Tested in accordance with DVV/RKI guidelines, EN 13727, EN 13624, EN 14348, EN 14476, EN 14561, EN 14562, EN 14563, EN 17111.

Directions for use

Use ID 212 for cleaning in a concentration of 2% for an exposure time of 5 minutes. For example, use the measuring cup in the cap to dose 20 mL of ID 212 (marking corresponds to 20 mL) and fill with water to 1 litre. Rinse instrument sets thoroughly under running water after cleaning and scrub manually, as necessary. Then disinfect the cleaned instruments with ID 212. ID 212 is used as a 2% or 4% solution. In accordance with VAH, the exposure time is 2% - 5 minutes. Inactivation of viruses takes place at 4% - 60 minutes, and of Tb bacteria in the ultrasonic cleaner at 2% - 60 minutes (see table). After the exposure time has elapsed, thoroughly rinse the

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disinfected instrument set under running water for at least 15 seconds, then dry it. For instruments subject to special processing requirements, follow the manufacturer's instructions and country-specific requirements. Not suitable for final disinfection of semi-critical and critical medical devices.

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, blue, low-viscosity liquid

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

pH: 12.1 ± 0.3

Working solution (2%):

Appearance: clear, light-blue solution

pH: 10.5 ± 0.5

Shelf life

Concentrate: 4 years

Working solution: 28 days for unused solution; replace used cleaning solutions each day; use disinfectant solution for a maximum of 7 days, depending on contamination. The disinfectant solution must be replaced immediately if it is visibly contaminated.

Container size

2.5-L bottle

Storage

Store product at between 5°C and room temperature.

Accessories

Hygobox, Hygasonic.

General instructions

Use ID 212 in a closed instrument bath. Do not mix ID 212 with other products. General and surgical instrument sets, as well as rotary instrument sets, may be left immersed in the ID 212 working

Application	Concentration	Time
Instrument disinfection (in accordance with VAH) ¹⁾	2 %	5 min
Bacteria¹⁾ and yeasts¹⁾	2 %	5 min
Bacteria¹⁾ and yeasts¹⁾ in the ultrasonic cleaner	2 %	5 min
Tb bacteria in the ultrasonic cleaner¹⁾	2 %	60 min
Enveloped viruses, incl. HBV, HCV, HIV, coronaviruses^{2), 3)}	2 %	1 min
Enveloped viruses, incl. HBV, HCV, HIV, coronaviruses¹⁾	2 %	15 min
Adenoviruses¹⁾	4 %	30 min
Noroviruses¹⁾	4 %	60 min

1) Testing at high load (VAH, EN 13727, EN 13624, EN 14348, EN 14561, EN 14562, EN 14563, EN 14476, EN 17111)

2) Testing with and without load in accordance with DVV/RKI guidelines.

3) In accordance with RKI statement (Federal Health Bulletin 60, 353-363, 2017)

solution for up to 12 hours. Follow the instrument manufacturer's instructions concerning material compatibility, care and processing. We also recommend ID 215 enzymatic instrument cleaner for cleaning contaminated instruments. 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

ID 212 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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