

Product information

ID 213 instrument disinfection



ID 213 at a glance

- Concentrate for cleaning and disinfection of general and surgical instrument sets as well as alkali-sensitive and alcohol-sensitive rotary instrument sets in hospitals, private practices and laboratories.
- Comprehensive spectrum of activity: bactericidal, tuberculocidal, fungicidal, virucidal.
- Tested in accordance with current VAH methods and European standards.
- VAH list.
- Virucidal in accordance with EN 14476.
- ID 213 is inexpensive due to the low application concentration, which is only 2% in accordance with VAH.
- Excellent material compatibility due to special corrosion inhibitors.
- Particularly suitable for use in ultrasonic cleaners such as Hygasonic by Dürr Dental.
- Aldehyde-free – its mechanism of action is based on alkylamines and quaternary ammonium cations.

Properties

ID 213 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 hospitals, private practices and laboratories. An additional area of application is the cleaning and disinfection of alkali-sensitive and alcohol-sensitive rotary instrument sets, e.g. nickel-titanium endodontic instruments, root canal instrument sets with colour anodised handles, soldered hard metal milling tools, aluminium oxide stones, rubber polishers, etc. ID 213 features excellent material compatibility - contains special corrosion inhibitors.

Product composition

ID 213 is based on a combination of alkylamines and quaternary ammonium cations, non-ionic surfactants, complexing agents, coumarin, citronellol, excipients in aqueous solution. 100 g of ID 213 contain: 15 g 3-aminopropyl-dodecyl-1,3-propanediamine, 12.5 g alkyl benzyl dimethyl ammonium chloride.

Microbiological efficacy

ID 213 is bactericidal¹⁾, tuberculocidal¹⁾, fungicidal¹⁾, virucidal (enveloped viruses, including HBV, HCV, and HIV^{2), 3)} as well as non-enveloped viruses, such as adenoviruses⁴⁾, SV40 polyomaviruses²⁾, noroviruses⁴⁾, polioviruses⁴⁾). VAH list. Tested in accordance with EN 13727, EN 13624, EN 14348, EN 14476, EN 14561, EN 14562, EN 14563.

Directions for use

We recommend ID 213 at a 2% concentration and an exposure time of 5 minutes to clean contaminated instruments when used in an instrument container (e.g. Hygobox by Dürr Dental) and a 2% concentration with an exposure time of 2 minutes when used in an ultrasonic cleaner (e.g. Hygasonic by Dürr Dental). Thoroughly rinse disinfected instrument sets with running water after cleaning and scrub manually, as necessary. Then disinfect the cleaned instruments with ID 213 in a second instrument container. The recommended application concentration of ID 213 is 2% with an exposure time of 60 minutes in accordance with VAH, including for Tb bacteria; we recommend a concentration of 2% with an exposure time of 2 minutes in an ultrasonic cleaner (e.g. Hygasonic by Dürr Dental) and 2% with an exposure time of 30 minutes for Tb bacteria. See table for further instructions for use. After the exposure time has

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elapsed, thoroughly rinse the disinfected instrument sets for at least 15 seconds under running water of at least potable quality (preferably with demineralised water) and dry. Follow the manufacturer's instructions and country-specific requirements for further processing and sterilisation, as applicable.

Environmental impact

All of the organic components of ID 213 are biodegradable at dilution levels that occur in wastewater. The packaging is made of polyethylene and polypropylene and can thus be recycled or incinerated. For recycling, flush bottles with water. The safety data sheet includes disposal instructions for the concentrate.

Physical data

Concentrate:

Appearance: clear, blue, low-viscosity liquid

Density: $D = 1.00 \pm 0.02 \text{ g/cm}^3$ (20°C)

pH: 12.0 ± 0.5

Working solution (2%):

Appearance: clear, light-blue solution

pH: 10.2 ± 0.5

Shelf life

Concentrate: 4 years

Working solution: 28 days for unused solution; replace used cleaning solutions each day; use disinfectant solutions for a maximum of 14 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 at maximum.

Accessories

Hygobox, Hygasonic.

General instructions

Do not mix ID 213 with aldehyde-based disinfectants. Thoroughly clean the disinfection container prior to initial use of ID 213. Gene-

Application	Concentration	Time
Instrument disinfection (in accordance with VAH)¹⁾	2%	5 min
Bacteria¹⁾ and fungi¹⁾	2%	5 min
Bacteria¹⁾ and fungi¹⁾ in an ultrasonic cleaner	2%	2 min
Tb bacteria (in accordance with VAH)¹⁾	2%	60 min
Tb bacteria (in an ultrasonic cleaner)¹⁾	2%	30 min
Vaccinia viruses incl. HBV, HCV, HIV^{2), 3)}	2%	1 min
Adenoviruses⁴⁾	2%	60 min
SV40 polyomaviruses²⁾	2%	15 min
Noroviruses⁴⁾	2%	30 min
Polioviruses⁴⁾	8 %	4 hours

1) Testing at high burden (VAH, EN 13727, EN 13624, EN 14348, EN 14561, EN 14562, EN 14563).

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

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

4) Testing at high burden (EN 14476).

ral and surgical instrument sets, as well as rotary instrument sets, may be left immersed in the ID 213 working 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.

Hazard warnings

ID 213 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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Sales

Dürr Dental SE
Höpfigheimer Str. 17
74321 Bietigheim-Bissingen
Germany
www.duerrdental.com
info@duerrdental.com

Manufacturer

orochemie GmbH + Co. KG
Max-Planck-Straße 27
70806 Kornwestheim
Germany
www.orochemie.de
info@orochemie.de

