

Product information

ID 212 forte instrument disinfection



ID 212 forte 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 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 and coronaviruses), non-enveloped adenoviruses and noroviruses
- Tested in accordance with current VAH methods and European standards. Virucidal activity against enveloped viruses in accordance with DVV/RKI guidelines
- VAH list. IHO list of disinfectants
- ID 212 forte is economical due to its low application concentration, which is only 2% in accordance with VAH
- Good material compatibility due to special corrosion inhibitors
- Particularly suitable for use in ultrasonic cleaners such as Hygasonic
- Aldehyde-free – its mechanism of action is based on alkylamines and quaternary ammonium compounds

The recommendations concerning our products are based on exhaustive in-house and external scientific investigations and are provided to the best of our knowledge. Our liability is limited here based on our "General Sales and Delivery Terms" that are available upon request at any time.

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Properties

ID 212 forte 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 cleaning and disinfection of alkali-sensitive and alcohol-sensitive rotary instrument sets, e.g. of light and non-ferrous metals (aluminium, brass, etc.) or certain synthetic resin bonded instruments. ID 212 forte is gentle on materials.

Product composition

ID 212 forte is based on a combination of quaternary ammonium compounds, alkylamines, guanidine compounds, non-ionic surfactants, complexing agents, excipients as well as benzyl salicylate, butylphenyl methylpropional and linalool in aqueous solution. 100 g ID 212 forte contains: 12.5 g alkyl benzyl dimethyl ammonium chloride, 6 g 3-aminopropyl-dodecyl-1,3-propanediamine, 4 g alkyl-propylenediamine-guanidinium-diacetate.

Microbiological efficacy

ID 212 forte is bactericidal, yeasticidal, tuberculocidal in the ultrasonic cleaner, virucidal activity against enveloped viruses (enveloped viruses incl. HBV, HCV, HIV and coronaviruses), non-enveloped adenoviruses and noroviruses. ID 212 forte is included in the VAH list and IHO list of disinfectants. Tested under high organic load in accordance with EN 13727, EN 13624, EN 14348, EN 14476, EN 14561, EN 14562, EN 14563, EN 17111 as well as DVV/RKI guidelines.

Directions for use

Use ID 212 forte 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 forte (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. Change spent cleaning solution daily. Then disinfect the cleaned instruments with ID 212 forte. ID 212 forte is used as a 2% or 4% solution. In accordance with VAH, the exposure time in 2% concentration is 5 minutes (bactericidal / yeasticidal). Inactivation of viruses takes place at 2% - 1 minute up to 4% - 30 minutes, and of Tb bacteria in the ultrasonic cleaner likewise at 4% - 30 minutes (see table). After the exposure time has elapsed, thoroughly rinse the disinfected instrument set under running water for at least 15 seconds, then dry it. Use disinfectant solution for at most 7 days,



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depending on contamination. The disinfectant solution must be replaced immediately if it is visibly contaminated. 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: $D = 1.02 \pm 0.02 \text{ g/cm}^3$ (20°C)

pH: 10.5 ± 0.3

Working solution (2%):

Appearance: clear, light-blue solution

pH: 10.0 ± 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 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, Hygosonic.

General instructions

Use ID 212 forte in a closed instrument bath. Do not mix ID 212 forte with other products. Thoroughly clean the instrument bath prior to initial use of ID 212 forte. General and surgical instrument sets, as well as rotary instrument sets, may be left immersed in the ID 212 forte 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. Do not use ID 212 forte on instruments that have already been treated with products containing aldehydes such as glutaraldehyde or glyoxal. Contact with ID 212 forte may result in reddish brown discolourations. 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 forte 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.



Application	Concentration - Time relation	
Recommended application for instrument disinfection according to VAH	Bactericidal / Yeasticidal 2% - 5 min	
Type of activity	Tested according to	Concentration - Time relation
Bacteria and Yeasts		
Bactericidal / Yeasticidal	EN 13727, EN 14561, EN 13624, EN 14562	2% - 5 min
Bactericidal / Yeasticidal in an ultrasonic bath	EN 13727, EN 14561, EN 13624, EN 14562	2% - 5 min
Tuberculocidal in an ultrasonic bath	EN 14348, EN 14563	4% - 30 min
Viruses		
Virucidal activity against enveloped viruses (enveloped viruses incl. HBV, HCV, HIV as well as Coronaviruses)	EN 14476, EN 17111 DVV/RKI guidelines	2% - 15 min 2% - 1 min
Adenoviruses	EN 14476, EN 17111	4% - 30 min
Noroviruses	EN 14476, EN 17111	4% - 30 min