

# Product information

## ID 220 bur disinfection



### ID 220 at a glance

- Aldehyde-free, ready-to-use solution for cleaning and disinfection of rotary instruments in hospitals, private practices, and laboratories.
- Exceptional cleaning action – dissolves the most stubborn deposits on steel and stainless steel burs and milling tools, diamond instruments, root canal instruments.
- Particularly fast-acting – Exposure time of only 1 minute in bur sterilisers and just 30 seconds in ultrasonic cleaners.
- Comprehensive spectrum of activity: bactericidal, tuberculo-cidal, fungicidal, virucidal.
- Tested in accordance with current VAH methods.
- VAH list.
- Particularly suitable for use in ultrasonic cleaners such as Hygasonic.
- Excellent material compatibility due to special corrosion inhibitors.

### Properties

ID 220 from Dürr System Hygiene is a highly effective, aldehyde-free, ready-to-use solution for cleaning and disinfection of rotary instruments (steel and stainless steel burs and milling tools, diamond instruments, root canal instruments with rubber handles, etc.) in hospitals, private practices, and laboratories. ID 220 features excellent material compatibility – contains special corrosion inhibitors – and a particularly fast-acting and comprehensive spectrum of activity. ID 220 has a pleasant odour.

### Product composition

ID 220 is based on a combination of alcohols, potassium hydroxide, complexing agents, corrosion inhibitors, and excipients in aqueous solution. 100 g ID 220 contain 15 g 1-propanol.

### Microbiological efficacy

ID 220 is bactericidal<sup>1)</sup>, tuberculocidal<sup>1)</sup>, fungicidal<sup>1)</sup>, virucidal (enveloped viruses including HBV, HCV, and HIV<sup>2)</sup>,<sup>3)</sup> and non-enveloped viruses, such as adenoviruses<sup>1)</sup>,<sup>2)</sup>, SV 40 polyomaviruses<sup>2)</sup>, polioviruses<sup>1)</sup>,<sup>2)</sup>, noroviruses<sup>1)</sup>,<sup>2)</sup>). VAH list. Tested in accordance with EN 13727, EN 13624, EN 14348, EN 14476, EN 14561, EN 14562, EN 14563.

### Directions for use

Always use ID 220 undiluted. The exposure time for cleaning is only 1 minute in bur sterilisers and just 30 seconds in ultrasonic cleaners (e.g. Hygasonic by Dürr Dental). Rinse instrument sets thoroughly under running water after cleaning and scrub manually, as necessary. Then disinfect rotary instrument sets with ID 220 in a second bur steriliser. The exposure time is only 1 minute in bur sterilisers, just 30 seconds in ultrasonic cleaners (e.g. Hygasonic by Dürr Dental), and 1 minute to inactivate viruses. See table for further instructions for use. After the exposure time has 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.

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### Environmental impact

ID 220 is readily biodegradable in accordance with OECD Guideline 301 D. 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.

### Physical data

Appearance: clear, light-blue solution

Density:  $D = 0.99 \pm 0.01 \text{ g/cm}^3$  (20°C)

pH:  $13.4 \pm 0.5$

### Shelf life

3 years

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

Hygasonic

### General instructions

Do not immerse alkali- and alcohol-sensitive materials, such as light metals and non-ferrous metals, e.g. aluminium, brass, etc., or instruments with synthetic resin adhesives in ID 220. We recommend instrument disinfection with ID 212, ID 212 forte or ID 213 for these materials. Carbide burs and milling tools, root canal instruments with colour-coded handles, and porcelain instruments must be tested for compatibility with ID 220. Burs, milling tools, etc. may be left immersed in ID 220 for up to 12 hours. Follow the instrument manufacturer's instructions concerning material compatibility, care, and processing. We also recommend ID 215 enzymatic instrument

### Sales

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### Manufacturer

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Application	Concentration	Time
<b>Instrument disinfection (VAH methods)<sup>1)</sup></b>	100%	1 min
<b>Bacteria<sup>1)</sup> including Tb<sup>1)</sup> and fungi<sup>1)</sup></b>	100%	1 min
<b>Bacteria<sup>1)</sup> including Tb<sup>1)</sup> and fungi<sup>1)</sup> in an ultrasonic cleaner</b>	100%	30 sec
<b>Vaccinia viruses incl. HBV, HCV, HIV<sup>2), 3)</sup></b>	100%	15 sec
<b>Adenoviruses<sup>1), 2)</sup></b>	100%	1 min
<b>SV40 polyomaviruses<sup>2)</sup></b>	100%	30 sec
<b>Noroviruses<sup>1), 2)</sup></b>	100%	1 min
<b>Polioviruses<sup>1), 2)</sup></b>	100%	1 min

1) Testing at high burden (VAH, EN 13727, EN 13624, EN 14348, EN 14476, 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).

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 220 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.

**CE 0124**

