

# neodisher® IR

Liquid, acid cleaning agent for use in basic cleaning by immersion



## Main fields of application:

Basic washing by immersion and ultrasonic cleaning of stainless steel surgical instruments. The basic wash may only be used for instruments made of hardened chrome steel or chrome-nickel steel.

## Characteristics:

neodisher IR is a special product for the basic cleaning to remove tarnishing, loose rust and rust stains. Stubborn inorganic residues on the instruments to be cleaned, which can result from various faults in preparation, are automatically removed with neodisher IR.

Instruments made of unhardened chrome steel, unalloyed steel, light alloy and other materials which are not acid-resistant may not be treated with neodisher IR. This also applies to chromium-plated or nickel-plated instruments. With instruments of stainless steel, which do not have a quality guarantee, a prior test must be carried out to determine suitability. Instruments with carbide inlays are suitable for a basic wash, provided that the restrictions indicated below in the instructions for use of the manufacturer of the instruments<sup>1</sup> are taken into account.

The basic cleaning with neodisher IR is not suitable for the first cleaning of brand-new instruments.

The containers used for the basic wash and effluent pipes, through which the neodisher IR-solutions are discharged, must be of acid-resistant material (Eternit and cast iron pipes are unsuitable). If necessary, the working solution of neodisher IR can be neutralized before discharge with an alkaline cleaning agent (without active chlorine).

## Application and dosage:

Only for surgical instruments made of hardened chrome steel or chrome-nickel steel!

### Basic cleaning in immersion bath:

Instruments are immersed in a warm 1 – 10 % neodisher IR solution (10 – 100 ml/l, max. 50 °C). For instruments with carbide insert, use only a 1 - 3 % neodisher IR-solution (10 – 30 ml/L). After a contact time of approx. 1 hour, the instruments are removed, thoroughly rinsed with water and dried. Instruments which now appear spotless are conveyed to further processing.

### Basic cleaning in ultrasonic bath:

Instruments are immersed in 1,5 – 3 % neodisher IR solution (15 – 35 ml/l, max. 50 °C). The contact time should be between 1 and 5 min in accordance with equipment manufacturer's data.

If spots and stains have not yet been completely removed, which may be the case with discolouration built up over a long time, the treatment must be repeated. In addition, the contact time in immersion may be extended up to 4 hours. The instruments should under no circumstances remain unchecked overnight in the solutions.

If these dark stains have not disappeared after immersion, the advice of our applications technology department must be sought, to determine the nature of the discolouration and to work out a special method for its removal. In every case an attempt should be made to determine the cause(s), in order to remedy it as quickly as possible.

Scrubbing with wire brushes must be avoided, otherwise the stainless steel surfaces will be irreversibly damaged.

Subsequently the neodisher IR-solution has to be rinsed out completely by sufficient rinsing. Do not mix with other products. Only for professional use.

## Technical data:

Specific gravity (20 °C): 1.4 g/cm<sup>3</sup>

pH-range (determined in demineralised water, 20 °C) 1 - 10 % (10 – 100 ml/L): 1.8 - 0.9

Viscosity (concentrate, 20 °C): < 50 Pas

Titration factor: 0.19 (in accordance with neodisher titration method)

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## Ingredients:

Ingredients according to Regulation (EC) No 648/2004 on detergents:  
< 5 % non-ionic surfactants  
> 30 % phosphates

## CE-marks:

neodisher IR conforms to the requirements of the legislation for medical devices according to the European directive 93/42/EC.

## Storage information:

The product is sensitive to frost below - 15 °C.  
Usable for 4 years when stored as recommended.

## Hazard and precautionary statements:

For safety information see EC safety data sheets. These are available at [www.drweigert.com](http://www.drweigert.com) under the category "Service".

Dispose only when container is empty and closed. For disposal of product residues, refer to the Material Safety Data Sheet.

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