

# neodisher<sup>®</sup> LM 3

Alkaline detergent for manual and automated cleaning of laboratory glassware - liquid concentrate



**Main fields of application:** Manual and automated cleaning of laboratory glassware in medical, biological and water laboratories as well as in laboratories in the phosphate and metal industry.

**Characteristics:** neodisher LM 3, with its highly-active low-foam wetting agent, has an excellent cleaning effect on all types of residues such as blood, protein and food residues, inorganic and organic residues as well as those with radioactive components.

Because of its low-foaming characteristic, neodisher LM 3 can be used for manual pre-cleaning and the laboratory glassware can be machine cleaned without a prior rinse.

neodisher LM 3 can also be used for the automated cleaning of laboratory glassware. neodisher LM 3 is well suited for use in special washers for e.g. viscosimeters or pipettes because it does not create foam.

neodisher LM 3 is phosphate-free. The concentrate contains less than 50 ppm P<sub>2</sub>O<sub>5</sub>. A 2 % solution in distilled water contains less than 1 ppm P<sub>2</sub>O<sub>5</sub> and is therefore ideal for cleaning laboratory glassware in laboratories doing water, phosphate, metal, enzyme or serological analyses.

Laboratory utensils made of glass, ceramic, stainless steel and plastics will not be attacked. neodisher LM 3 is not suitable for aluminium, anodised aluminium and light metal alloys.

## Application and dosage:

In immersion baths:

normal soiling:	20 ml/l (2 %)
heavy soiling:	50 ml/l (5 %)
extreme soiling:	200 ml/l (20 %)
treatment time:	2 - 5 hrs, if necessary overnight

In ultrasonic baths: 2 – 20 ml/ (0.2 - 2.0 %)

In special washing machines via dosing devices:

for pipettes:	5 – 50 ml/l (0.5 - 5 %), depending on process or pre-cleaning
for viscosimeters:	5 – 50 ml/l (0.5 - 5 %)
for laboratory glassware:	5 – 10 ml/l (0.5 - 1 %)

Do not clean goods with neodisher LM 3 solutions which are sensitive to surfactants or alkalinity.

The neodisher LM 3 working solution has to be rinsed off completely (preferably with deionised water).

The instructions given by the manufacturer of the washer disinfectant and the laboratory glassware are to be observed.

Rinse out dosing system including suction hose with water before changing product.

Do not mix with other products.

For professional use only.

## Technical data:

Density (20 °C): 1.1 g/cm<sup>3</sup>  
pH-range (determined in deionised water, 20 °C) 20 – 200 ml/l: 12.3 - 13.3  
Viscosity (concentrate, 20 °C): < 10 mPa s  
Titration factor: 1.6 (in accordance with neodisher titration method)

## Ingredients:


Ingredients according to Regulation (EC) No 648/2004 on detergents:  
< 5 % amphoteric surfactants

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## Storage information:

Store in a frost-free place. Always store at a temperature between 0 °C and 30 °C. Usable for 2 years when stored as recommended. For expiry date refer to the stamp mark on the label behind the hourglass symbol .

## 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/Downloads".

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

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