

# Getinge LLL Detergent & NLL Neutralizer

– for an efficient and consistent washing process

## LLL Detergent & NLL Neutralizer

Getinge Lancer offers cleaning chemicals developed for use in all high pressure washers. LLL and NLL are capable of cleaning all different types of contamination including laboratory soils, “baked on” organic residues, petroleum application and other hard to clean soils.

LLL detergent and NLL neutralizer chemicals are premixed for direct use from the bottle placed in your washer, and dosing is automatic by peristaltic pump.

## Washing Performance

Laboratory experiments can easily be ruined by contamination and when it comes to quality of re-processed labware we need to make sure that all glasses are perfectly cleaned. LLL and NLL assure high performance washing by a contamination free process with compatibility between equipment material and chemicals used.

## Quality Control

Quality control is a very important aspect of the Getinge Lancer Cleaning Chemicals.

LLL detergent and NLL neutralizer are manufactured with dedicated production lines and a double filtration system to ensure the integrity of the chemical solutions is maintained.

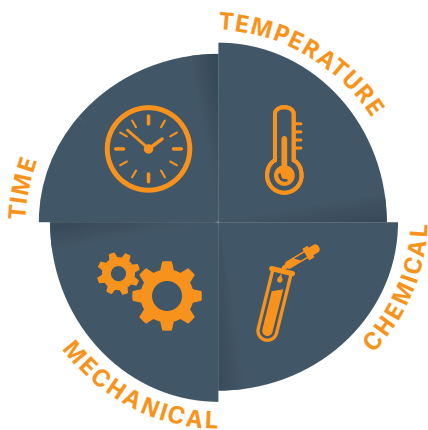


### Key benefits:

- Washing Performance
- Quality control
- Ease of use
- Operator safety
- Phosphate-free and non-foaming
- 10 L tanks for convenience

## Ease of use

LLL detergent and NLL neutralizer has been specially formulated for washing of laboratory glassware. The cleaning chemicals are adapted and validated to the dosing pump to fit our Getinge range of washers from the start. The concentration of the cleaning chemicals is therefore calibrated to each machine for an efficient cleaning process.



## Wash cycle principles

Effective labware cleaning is dependent on several key factors for a successful washing process. Efficient cleaning requires a balanced mix of appropriate temperature, duration of washing, mechanical impingement, and chemical action.

The choice of detergent and neutralizer is one of the key factors. By using LLL and NLL, the chemical action will result in excellent rinsing as well as economical use of cleaning agents.

## Operator safety

For prevention of confusion and for ease of use, the cleaning chemicals are color coded on the labels and caps to fit Getinge Lancer ULTIMA series, including freestanding and undercounter laboratory washers. The detergent and neutralizer has been produced with operator safety in mind.

## Glassware and equipment

The LLL detergent and NLL neutralizer are used, for example, for borosilicate glass, soda-lime glass, fused quartz glass, polymeric material, porcelain and more.



This document is intended to provide information to an international audience outside of the US.



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