



# Derquim

Derquim products have been specially made for the cleaning of laboratory glassware and equipment.

They can be used for manual cleaning (LM series) or automatic washing machines (LA series).

The various formulations are specifically **adapted to any kind of laboratory residue**: chemical, biological or clinical.

## DERQUIM + Universal Detergent, LIQUID

Detergent for general use. Cleaning of glass, plastic and metal materials.

**Composition:** Mixture of ionic and non-ionic surfactants.

**Dosage:** 20 mL/L for manual washing, 2 mL/L for machine washing.

**Observations:** Phosphate free. Biodegradable. It may attack zinc and aluminium.



Code	Package
503574.1211	 1 L
503574.1246	 4 L
503574.1315	 10 L



## LM Series: Manual Washing

### DERQUIM LM 01 Alkaline, LIQUID

Detergent for general use

Code	Package
502600.1246	 4 L

**Composition:** Sodium hydroxide, anionic and non-ionic surfactants and phosphates.

**pH** (20 mL/L water): 11 - 12

**Dosage:** 20 mL/L for normal dirt, 50 mL/L for high dirt, 200 mL/L for persistent dirt.

**Observations:** Even for use in hard water (up to 45 °TH). With harder water, precipitations may occur reducing its cleaning power. In these cases, use deionized water or a mixture of deionized water and tap water.

### DERQUIM LM 02, Phosphate-free, LIQUID

For precision measuring instruments made of glass, quartz and materials sensitive to acid or alkaline media.

Code	Package
502601.1246	 4 L
502601.1315	 10 L
502601.0716	 25 L

**Composition:** Mixture of anionic and non-ionic surfactants.

**pH** (20 mL/L water): 8 - 9

**Dosage:** 20 mL/L for normal dirt, 50 mL/L for persistent dirt.

**Observations:** Phosphate-free. Biodegradable.



### DERQUIM LM 03 Alkaline, Phosphate-free, LIQUID

Detergent for general use

Code	Package
502602.1246	 4 L

**Composition:** Sodium hydroxide, amphoteric and non-ionic surfactants.

**pH** (20 mL/L water): 12 - 13

**Dosage:** 20 mL/L for normal dirt, 50 mL/L for high dirt, 200 mL/L for persistent dirt.

**Observations:** Even for use in hard water (up to 45 °TH). With harder water, precipitations may occur reducing its cleaning power. In these cases, use deionized water or a mixture of deionized water and tap water.

Phosphate-free. Biodegradable.

### DERQUIM MC Chromic Mixture

For the removal of organic residues resistant to detergents

Code	Package
502612.2211	 1 L

**Composition:** Potassium dichromate and sulphuric acid

**Dosage:** The greatest efficiency is obtained with the concentrated product; if it is necessary to dilute it, add the product to water, never the other way around, as this would produce very corrosive splashes. The residues to be eliminated must be dry. It is active while it is brown and exhausted when it is green.

**Observations:** Only manual cleaning and under fume hood. The reaction products can be toxic and corrosive. Once exhausted, dilute and neutralize with sodium hydrogen carbonate. Dilute with abundant water and dispose of in a special waste container. Do not absorb with organic matter such as sawdust, rags, etc.



## LA Series: Automatic Washing

### DERQUIM LA 11 Slightly alkaline, SOLID

For gentle cleaning of delicate materials, in the main wash.

**Composition:** Alkaline salts and phosphates

**pH** (3 g/L water) ~ 11.2

**Dosage:** Between 2 and 4 g/L

**Observations:** Surfactant-free. Also suitable for manual cleaning.

Code	Package
502603.1245	 2 kg
502603.0415	 10 kg

### DERQUIM LA 12 Alkaline, SOLID

For the removal of dry residues, burnt residues, starch, proteins, etc., in the main wash.

**Composition:** Sodium hydroxide and phosphates

**pH** (3 g/L water) ~ 12.3

**Dosage:** Between 2 and 4 g/L

**Observations:** Surfactant-free.  
Also suitable for manual cleaning.



Code	Package
502604.1245	 2 kg
502604.0415	 10 kg
502604.0416	 25 kg

### DERQUIM LA 13 Alkaline with detergents, SOLID

For energetic cleaning. Specially indicated for the removal of greases.

**Composition:** Sodium hydroxide, alkaline salts, non-ionic surfactants and phosphates.

**pH** (3 g/L water) ~ 12.2

**Dosage:** Between 2 and 4 g/L

**Observations:** It can be used with both soft and hard water.  
Also suitable for manual cleaning.

Code	Package
502605.0446	 4 kg
502605.0415	 10 kg

### DERQUIM LA 14 Slightly alkaline, LIQUID

For machines equipped with liquid dosage. For gentle cleaning of delicate materials, in the main wash.

**Composition:** Sodium hydroxide and complexing substances

**pH** (4 mL/L water) ~ 11.2

**Dosage:** Between 3 and 5 mL/L

**Observations:** Surfactant-free. Phosphate-free.  
Also suitable for manual cleaning.

Code	Package
502606.1246	 4 L
502606.0716	 25 L





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**DERQUIM LA 15 Alkaline, LIQUID**

For machines equipped with liquid dosage. For the removal of dry residues, burnt residues, starch, proteins, etc., in the main wash.

**Composition:** Sodium hydroxide and complexing substances

**pH** (4 mL/L water) ~ 12.2

**Dosage:** Between 3 and 5 mL/L

**Observations:** Surfactant-free

Code	Package
502607.1246	 4 L

**DERQUIM LA 22 Acid, with citric acid, LIQUID**

As a pre-washing agent, it removes residues of proteins, organic bases, carbonates, hydroxides, etc. Gentle removal of residues in the main wash. As a neutralizer in the post wash.

**Composition:** Citric acid and surfactants.

**pH** (2 mL/L water) ~ 3.0

**Dosage:** Between 1 and 3 mL/L

**Observations:** Phosphate-free. Biodegradable.

Code	Package
502609.1246	 4 L

**DERQUIM LA 21 Acid with phosphoric acid, LIQUID**

As a pre-washing agent, it removes residues of proteins, organic bases, carbonates, hydroxides, etc. Gentle removal of residues in the main wash. As a neutralizer in the post wash.

**Composition:** Phosphoric acid and small quantities of auxiliary substances. Contains anticorrosive protection.

**pH** (2 mL/L water) ~ 2.0

**Dosage:** Between 1 and 3 mL/L

**Observations:** Inhibits the formation of calcareous deposits in the washing machine. Surfactant-free.

Code	Package
502608.1246	 4 L

**DERQUIM SALT (Sodium Chloride lumps)**

Salt for laboratory automatic washing machines, to prevent lime scale build up

Code	Package
503468.0415	 10 kg
503468.0416	 25 kg

**Package pictograms:**

-  Plastic bottle
-  Plastic jerrycan
-  Plastic bucket
-  Sol-Pack: Plastic container in a carton box (cubitainer), with tap
-  Glass bottle coated with plastic

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