

DERQUIM® Cleaning agents for laboratory use

DERQUIM® (derived from Detergentes Químicos in Spanish, that means Chemical Detergents) is the brand of ITW Reagents for laboratory cleaning agents. The **DERQUIM®** product line has been specially made for laboratory glassware and equipment.

DERQUIM® products can be used for manual cleaning (**LM** series named from Spanish **Lavado Manual**) or automatic dishwashers, (**LA** series named from Spanish **Lavado Automático**). Also, solid and liquid agents are available for different purposes. Acidic or basic composition can be chosen for elimination of inorganic and organic contaminants, respectively.



Product code	Product name	Pack size
503574.1211	DERQUIM® + Universal Detergent LIQUID	1 L
503574.1246		4 L
502600.1246	DERQUIM® LM 01 Alkaline LIQUID	4 L
502601.1246	DERQUIM® LM 02, Phosphate-free LIQUID	4 L
502601.1315		10 L
502601.0716		25 L
502602.1246	DERQUIM® LM 03 Alkaline, Phosphate-free LIQUID	4 L
502603.1245	DERQUIM® LA 11 Slightly alkaline SOLID	2 kg
502603.0415		10 kg
502604.1245	DERQUIM® LA 12 Alkaline SOLID	2 kg
502604.0415		10 kg
502605.0415	DERQUIM® LA 13 Alkaline with detergents SOLID	10 kg
502606.1246	DERQUIM® LA 14 Slightly alkaline LIQUID	4 L
502606.0716		25 L
502607.1246	DERQUIM® LA 15 Alkaline LIQUID	4 L
502608.1246	DERQUIM® LA 21 Acid, with phosphoric acid LIQUID	4 L
502609.1246	DERQUIM® LA 22 Acid, with citric acid LIQUID	4 L
503468.0415	DERQUIM® SALT (Sodium Chloride lumps)	10 kg

Universal cleaning agent for manual and automatic washing

DERQUIM® + Universal Detergent LIQUID

Product code: 503574 **Pack sizes:** 1 L and 4 L in plastic containers.

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

Composition: Mixture of ionic and non-ionic surfactants.

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

Properties: Phosphate-free and biodegradable. It may attack zinc and aluminum.



LM Series: Manual washing

DERQUIM® LM 01 Alkaline LIQUID

Product code: 502600 **Pack size:** 4 L in plastic container.

Application: Detergent for general use, can be used for wiping laboratory surfaces and for soaking prior to automatic cleaning of laboratory equipment.

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

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

Dosage: 20 mL/L for dirty equipment, 50 mL/L for very dirty equipment, 200 mL/L for tough dirt.

Properties: Even for use in hard water. In those cases, precipitations may occur reducing its cleaning power, please use deionized water or a mixture of deionized water and tap water.

DERQUIM® LM 02, Phosphate-free LIQUID

Product code: 502601 **Pack sizes:** 4 L and 25 L in plastic containers, 10 L in Sol-Pack*.

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

Composition: Mixture of anionic and non-ionic surfactants.

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

Dosage: 20 mL/L for dirty equipment, 50 mL/L for tough dirt.

Properties: Phosphate-free and biodegradable.



*Sol-Pack: Plastic container in a carton box (cubitrainer), with tap.

DERQUIM® LM 03 Alkaline, Phosphate-free LIQUID

Product code: 502602 **Pack size:** 4 L in plastic container.

Applications: Detergent for general use.

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

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

Dosage: 20 mL/L for dirty equipment, 50 mL/L for very dirty equipment, 200 mL/L for tough dirt.

Properties: Phosphate-free and biodegradable. Even for use in hard water. In those cases, precipitations may occur reducing its cleaning power, please use deionized water or a mixture of deionized water and tap water.

LA Series: Automatic washing

DERQUIM® LA 11 Slightly alkaline SOLID

Product code: 502603 **Pack sizes:** 2 kg and 10 kg in plastic containers

Application: 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

Properties: Surfactant-free. Also suitable for manual cleaning.

DERQUIM® LA 12 Alkaline SOLID

Product code: 502604 **Pack sizes:** 2 kg and 10 kg in plastic containers.

Application: 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

Properties: Surfactant-free. Also suitable for manual cleaning.

DERQUIM® LA 13 Alkaline with detergents SOLID

Product code: 502605 **Pack size:** 10 kg in plastic container.

Application: For strong 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

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

DERQUIM® LA 14 Slightly alkaline LIQUID

Product code: 502606 **Pack sizes:** 4 L and 25 L in plastic containers.

Application: 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

Properties: Surfactant-free, phosphate-free. Also suitable for manual cleaning.

DERQUIM® LA 15 Alkaline LIQUID

Product code: 502607 **Pack size:** 4 L in plastic container.

Application: 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

Properties: Surfactant-free

LA Series: Automatic washing

DERQUIM® LA 21 Acid, with phosphoric acid LIQUID

Product code: 502608 **Pack size:** 4 L in plastic container.

Application: 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

Properties: Inhibits the formation of lime deposits in the washing machine. Surfactant-free.

DERQUIM® LA 22 Acid, with citric acid LIQUID

Product code: 502609 **Pack size:** 4 L in plastic container.

Application: 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

Properties: Phosphate-free and biodegradable.



Salt for washing machines

DERQUIM® SALT (Sodium Chloride lumps)

Product code: 503468 **Pack size:** 10 kg in plastic container.

Application: Salt for laboratory automatic washing machines, to prevent limescale deposits.



Application Chart												
	Properties						Cleaning applications					
	Liquid	Powder	Slightly alkaline	Alkaline	Acidic	Additional info	Food residues	Oils, Fat, Wax, Silicones, Greases	Organic residues	Inorganic residues	Dyes, inks	Proteins
Manual and automatic washing												
DERQUIM® + Universal Product code 503574	•		•			Phosphate-free	•	•				
Manual washing												
DERQUIM® LM 01 Product code 502600	•			•			•		•	•	•	•
DERQUIM® LM 02 Product code 502601	•		•			Phosphate-free		•		•		
DERQUIM® LM 03 Product code 502602	•			•		Phosphate-free		•			•	
Automatic washing machines												
DERQUIM® LA 11 Product code 502603		•	•					•		•		
DERQUIM® LA 12 Product code 502604		•		•			•		•	•	•	•
DERQUIM® LA 13 Product code 502605		•		•		With detergents	•	•	•			•
DERQUIM® LA 14 Product code 502606	•		•					•		•		
DERQUIM® LA 15 Product code 502607	•			•			•		•	•	•	•
DERQUIM® LA 21 Product code 502608	•				•	With phosphoric acid			•			
DERQUIM® LA 22 Product code 502609	•				•	With citric acid			•			



Distributors

For ordering our high-quality products please contact your local distributor. **ITW Reagents** has distributors in the countries as follows:

Algeria	Egypt	Kuwait	Serbia
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Bangladesh	Greece	Morocco	Spain
Belarus	Hong Kong-China	Netherlands	Sweden
Belgium	Hungary	New Zealand	Switzerland
Bosnia and Herzegovina	Iceland	Norway	Taiwan
Brazil	India	Pakistan	Thailand
Bulgaria	Indonesia	Paraguay	Turkey
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Colombia	Italy	Portugal	United States
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For further contact details of our distributors please visit

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