

LABWASH® Premium detergents

01. EXCELLENT CLEANING
WITH NO RESIDUE

02. HIGH PURITY
BIODEGRADABLE
INGREDIENTS

03. HIGH ACTIVITY WITH
LOW CONSUMPTION

04. COMPATIBLE WITH
MOST MATERIALS



The challenge of clean

As the sensitivity of analytical techniques has increased, the importance of stringent sample preparation and the quality and purity of the reagents are integral to getting good results. Even the best technique can be compromised by contaminated glassware or other lab utensils.

In the past, cleanliness was assured with toxic and aggressive products such as sodium hydroxide or sulpho-chromic acid solutions that were very unpleasant to use. Fortunately lab detergents have come a long way, and today, most labs have washing machines minimising effort and exposure to cleaning chemicals.

The issue now is ensuring that glassware is not contaminated with the detergent itself in the form of residues after cleaning. The detergent must be effective against contamination but not become a contaminant itself! A tall order when you consider the breadth of different tasks in specialised laboratories involving multiple types of contamination with various physical and chemical properties.

That's the reason why the LABWASH® Premium detergents range was developed in collaboration with experts. The

range is extensive and includes good all-round performance, plus specialist products for specific requirements in different applications such as pharma, petrochemicals, food industries, clinical labs etc.

Reliable processes are only possible with thorough, residue-free cleaning and LABWASH® delivers.

Excellent cleaning with no residues: Wide range of detergents suited to different cleaning tasks

High purity biodegradable ingredients: All raw materials fulfil the requirements of environmental protection. Ecologically inert

High activity but low consumption: LABWASH® Premium is concentrated but really efficient at low concentrations

Compatible with most materials: LABWASH® Premium acts against contamination not the material being cleaned

2,5; 5; 10 and 20 L plastic packs: A wide range of easy to handle packs, adapted to your consumption



Substance	Manual cleaning by immersion							Machine washing							
	LABWASH® Premium Extra	LABWASH® Premium Neutral	LABWASH® Premium Extra PF	LABWASH® Premium MA Ultra	Sodium hydroxide solution	LABWASH® Premium Classic	Sodium hydroxide solutions	LABWASH® Premium Powder	LABWASH® Premium Powder PF	LABWASH® Premium Alkamatonic	LABWASH® Premium Alkamatonic PF	LABWASH® Premium Acidrinse P	LABWASH® Premium Acidrinse C	LABWASH® Premium Easyrinse	LABWASH® Premium Pure
Aldehyde resins	X		X			X			X						X
Aluminium		X													
Amines					X							X	X		X
Analytical laboratories	X	X	X			X		X		X				X	X
Balsam resins	X		X			X			X						X
Bitumen	X		X												
Blood	X		X	X		X		X							X
Brass		X													X
Breweries	X	X	X			X	X	X	X	X					X
Bronze		X						X							
Calcareous deposits					X							X	X	X	
Carbonates					X							X		X	
Cells		X				X								X	X
Chemical glassware	X	X	X			X		X		X				X	X
Culture media						X			X						
Dairies	X	X	X			X	X	X	X	X					
Distillation residues	X		X			X		X					X		
Enzymes	X	X	X			X		X	X	X	X	X			X
Fat residues	X		X	X		X		X							X
Felt-tip pen	X	X	X					X	X	X					
Foam															
Food industries	X	X	X			X	X	X	X	X				X	X
Food waste	X	X				X		X	X	X					X
Glass and porcelain equipment	X	X				X		X		X				X	
Grease for joints	X					X		X		X					X
Heavy oils	X		X			X		X		X					X
Hydroxides					X							X	X		
Laboratory floors	X		X				X								
Metal equipment		X						X		X					
Mucus						X									X
Neutralisation					X							X	X	X	
Nickel	X	X	X					X	X	X	X	X			
Oil	X		X	X	X	X		X		X					X
Petri dishes	X	X	X			X		X	X	X	X	X			X
Phosphate analysis equipment			X											X	
Pipettes		X				X		X		X				X	X
Plaster residues	X	X	X		X			X	X						
Plastic equipment								X						X	
Precision equipment		X				X									
Protein residues	X		X			X		X		X					X
Proteins	X		X	X		X		X		X					X
Quartz equipment		X													
Rubber		X						X		X					X
Saliva	X		X			X									
Silicones	X		X	X				X		X	X	X	X		
Spectacle lenses		X													
Stainless steel	X	X	X		X		X	X	X	X				X	
Thin film plates	X		X				X		X						
Tiled surfaces	X		X							X					
Tough residues						X		X							
Ultrasound	X	X	X	X											
Wax	X		X	X		X									X
Zinc		X													



DETERGENTS FOR MANUAL WASHING

- Can be diluted with tap water or demineralised water for an increased cleaning effect
- Completely immerse items in solution for cleaning – ideally for about 2 hours
- Rinse first in tap water and finally in demineralised water
- For heavily soiled items, such as blood or oil, simply leave the items in the solution for longer
- Gentle heating increases cleaning potency

Description	Designation	Application	Ingredients	Temperature	Dosing	pH values (1%)	Density	Time (h)
LABWASH® Premium Classic	Mildly alkaline cleaning, concentrate for laboratory glassware	Manual cleaning and disinfection	Active chlorine (1 to 5%), caustic alkali (5 to 15%)	-	Normal cleaning 2%, heavy cleaning up to 10%	12,2	1,21	Up to 5
LABWASH® Premium Neutral		Organic soils are reliably and effectively removed and emulsified	Anionic and non ionic surfactants (15 to 30%), fragrances	Cold up to 60 °C	Normal cleaning 0,2%, heavy cleaning up to 5%	7,4	1,03	Up to 24
LABWASH® Premium Extra PF	Phosphate-free cleaning concentrate for laboratory glassware	Non foaming product efficient for glass surfaces	Caustic alkali (>30%), polycarboxylates (<5%)	Cold up to 70 °C	Normal cleaning 1%, heavy cleaning up to 3%	12,7	1,36	-
LABWASH® Premium MA Ultra	Self-acting, alkaline, liquid cleaner for manual cleaning with a wide range of applications	Cleaning of laboratory equipment, glassware, medical, technical equipment and consumer goods made of plastic, glass, porcelain and metal	Potassium hydroxide, phosphates, surfactants, dispersants, complexing agents, dyes	From 30 to 60 °C. Not higher than +50°C by cleaning of proteins	0.7 – 3%. Up to 2% solution in an ultrasonic bath		1,36 -	10 - 20 min
Associated products								
Sodium hydroxide 50% TECHNICAL	Highly alkaline	Efficient against surfactants or complexation agent residues	Caustic alkali (>50%)	Cold	Diluted or concentrated	14	1,53	-
Sodium hydroxide 35% GPR RECTAPUR®	Highly alkaline		Caustic alkali (>30%)	Cold	Diluted or concentrated	14	1,38	-

Manual cleaning

Pk (L)	LABWASH® Premium Classic	LABWASH® Premium Neutral	LABWASH® Premium Extra PF	LABWASH Premium MA Ultra
2,5	84545.320	84547.320	84554.320	85831.320
5	84545.360	84547.360	84554.360	85831.360
10	84545.410	84547.410	-	-

Associated products

Pk (L)	Chromic-sulphuric acid mixture	Sodium hydroxide solution 50% TECHNICAL	Sodium hydroxide solution 35% TECHNICAL
1	25333.247	-	-
2,5	25333.327	28265.322	-
5	-	28265.366	28224.365
20	-	28265.446	28224.445

The Chromic-sulphuric acid mixture is a very corrosive solution and can be replaced by the LABWASH PREMIUM Extra PF

DETERGENTS SPECIFICALLY FOR WASHING MACHINES

A large range of products with varying compositions that are able to tackle different types of soiling which are tailored to water hardness. Very low foam formation and solubility in water at different temperatures are really important to ensure perfect cleaning every time. Neutralisers complete the range to eliminate any alkali trace residue.



Description	Designation	Applications	Ingredients	Temperature	Dosing	pH values (1%)	Density
LABWASH® Premium Alkamatic	Mildly alkaline liquid cleaning concentrate for special washing machines	Effective removal of organic soils such as starch and proteins residues	Polycarboxylates (<5%), caustic alkali (5 to 15%), phosphates (5 to 15%)	20 - 95 °C	0,1 to 0,5% depending on water hardness	12	1,29
LABWASH® Premium Alkamatic PF	Highly alkaline liquid cleaning concentrate for special washing machines (for heavy contamination, phosphate- and chlorine-free)	Very effective for heavy soils	Polycarboxylates (<5%), caustic alkali (5 to 15%), complexing agents, inhibitors agents	Cold up to 95 °C	0,2 to 2%	11,6	1,22
LABWASH® Premium Acidrinse C	Phosphate-free neutraliser for special washing machines	Environmentally friendly citric acid neutralises residual alkalinity from cleaning process	Citric acid, inhibitors	40 - 85 °C	0,2 to 0,5%	2,7	1,14
LABWASH® Premium Acidrinse P	Neutraliser and pre-cleaner for special washing machines	Acidic, friendly neutralisation agent used for the removal of alkalinity in cleaning processes	Phosphoric acid, inhibitors	40 - 85 °C	0,2 to 0,5%	2,1	1,47
LABWASH® Premium Easyrinse	Acidic, ecological rinsing concentrate with shiny effect	Residual alkalinity is neutralised by the organic acid content. Excellent drying of all surfaces	Organic acids (5 to 15%), solubilisers, non ionic surfactants (5 to 15%)	0 - 60 °C	0,001 to 0,1%	2,2	1,02
LABWASH® Premium Alkamatic LA	Highly alkaline intensive cleaner for laboratory washers	Intensive cleaner for glass, stainless steel, polymers and ceramic lab materials. Effective for resistant organic soils	Polycarboxylates (1 to 5%), caustic alkali (15 to 30%), silicates, complexing agents	20 - 95 °C	0,2 to 0,6% depending on water hardness	12,5	1,32
LABWASH® Premium Powder PF	Alkaline powder cleaner for laboratory washers (phosphate-, chlorine- and surfactant-free)	Very effective for resistant soils due to the combination of high alkalinity and dispersing additives. Non foaming	Caustic alkali (>30%), dispersing additives, silicates, complexing agents	0 - 95 °C	1 to 4% depending on water hardness	13	0,93
LABWASH® Premium Powder	Mildly alkaline cleaning powder for special washing machines	Perfect for resistant soils due to the interaction between alkalinity and wetting additives	Phosphates (>30%), caustic alkali (15 to 30%), non ionic surfactants (1 to 5%), corrosion inhibitors	Cold up to 60 °C	0,1 to 1%	12,1	0,95
LABWASH® Premium Pure	Concentrate for soak and spray cleaning of laboratory glassware	Non foaming, surfactant- and phosphate-free	Caustic alkali (5 to 15%), polycarboxylates (5 to 15%), complexing agents	0 - 95 °C	1 to 5%	11,8	1,19

NEW LABWASH PREMIUM 5L CANISTERS FOR WASHING MACHINES

Compact HDPE canisters (Cat. Nos. 845xx.365) are compatible with Miele dosing cabinets.

BENEFITS

Safe

- No contact with harmful acidic or alkaline detergents

Convenient

- Can be used with most washing machines, with standard thread for direct connection
- No additional actions to clean other packs or refill from other bottles
- Available in light 5l, easy to use and handle

Economical

- No additional time to refill the canisters
- No need of additional packs



Ordering information

Pk (L)	LABWASH® Premium Alkamatic	LABWASH® Premium Alkamatic PF	LABWASH® Premium Acidrinse C	LABWASH® Premium Acidrinse P	LABWASH® Premium Easyrinse	LABWASH® Premium Alkamatic LA	LABWASH® Premium Pure
2,5	84549.320	84550.320	84551.320		84553.320		
5	84549.360	84550.360	84551.360	84552.360	84553.360	84556.360	84555.360
5*	84549.365	84550.365	84551.365	84552.365	84553.365	84556.365	84555.365
10	84549.410	84550.410	84551.410	84552.410	84553.410	84556.410	84555.410
20		84550.440	84551.440				

*Fit into MIELE dosing cabinets.

DETERGENTS AND CLEANING AGENTS FOR ULTRASONIC BATHS

Special product range specially designed for removing organic deposits such as oils, resins and greases from equipment and tools, especially in ultrasonic baths.



Description	Designation	Applications	Ingredients	Temperature	Dosing	pH values (1%)	Density	Time
LABWASH Premium Extra	Concentrate for the cleaning of laboratory glassware and precision components	Ideal for manual pre-cleaning. Alternative to chromosulphuric acid	Complexing agents (5 to 15%), caustic alkalis (5 to 15%) and phosphates (15 to 30%)	Warm and cold	Immersion or ultrasonic bath 0,4 to 4%	11,8	1,38	-
LABWASH Premium MA Ultra	Self-acting, alkaline, liquid cleaner for manual cleaning with wide range of applications	Cleaning of laboratory equipment, glassware, medical, technical equipment and consumer goods, made of plastic, glass, porcelain and metal	Potassium hydroxide, phosphates, surfactants, dispersants, complexing agents and dyes	From 30 to 60 °C. Not higher than 50 °C by cleaning of proteins	0,7 to 3%. Up to 2% solution in an ultrasonic bath		1,36	10 to 20 min
LABWASH Premium USB 13	Alkaline, concentrated, intensive cleaning agent for use in ultrasonic baths	Intensive and thorough product for removing organic deposits such as oils, resins and greases from equipment and tools	Dispersants, solubilisers, surfactants, complexing agents, alkali carriers and corrosion inhibitors	Cold up to +80 °C	2 to 15% (without ultrasonic) 0,5 to 8% (with ultrasonic)	12,1	1,06	
LABWASH Premium USB 33 Universal	Mild alkaline, concentrated, liquid detergent for use in ultrasonic baths	Characterised by a high material compatibility and cleaning power. Mineral (salts etc) and organic (e.g. greases and oils) coatings are effectively emulsified and removed	Complexing agents, corrosion inhibitors, dispersing aids and surfactants	Cold up to +80 °C	1 to 10% (without ultrasonic), 2 to 5% (with ultrasonic)	10,7	1,14	
LABWASH Premium Classic Universal	Alkaline, powerful universal cleaning agent for use in ultrasonic baths or for manual cleaning in an immersion bath	Very strong cleaning by immersion or in an ultrasonic bath of equipment, material, tools, small items and laboratory materials against organic and inorganic soiling, such as oils, proteins, greases, resins, etc	High content of phosphates in combination with dispersants, complexing agents, corrosion inhibitors and surfactants	Cold up to +80 °C	0,5 to 2%	11,9	1,03	10 to 20 min

Pk	LABWASH Premium Extra	LABWASH Premium USB 13	LABWASH Premium USB 33 Universal	LABWASH Premium Classic Universal
1 L		88287.290	88288.290	
2,5 L	84546.320			
5 L/5 kg	84546.360	88287.360	88288.360	88289.360
10 L	84546.410			
20 L		88287.440	88288.440	

WATER BATH STABILISER, AQUA RESIST WB

A ready to use, liquid product designed to stabilise and protect water baths, cooling circuits, water circuits and incubators.

- Working temperature up to 70 °C
- Non corrosive for conventional materials
- Good wetting characteristics
- Low foaming
- Blue dye for visualisation

AQUA RESIST WB is characterised by a specific combination of several ingredients. Surfactants cause stabilisation of the water with simultaneous good wetting. Stabilisers and corrosion inhibitors ensure high material compatibility and thus for a wide range of applications even with longer exposure times. The blue colour makes visual inspection of the existing product possible.



Description	5l	20l
AQUARESIST WB	86174.360	86174.440

SODIUM CHLORIDE REGENERATION SALT, TECHNICAL FOR WATER SOFTENING

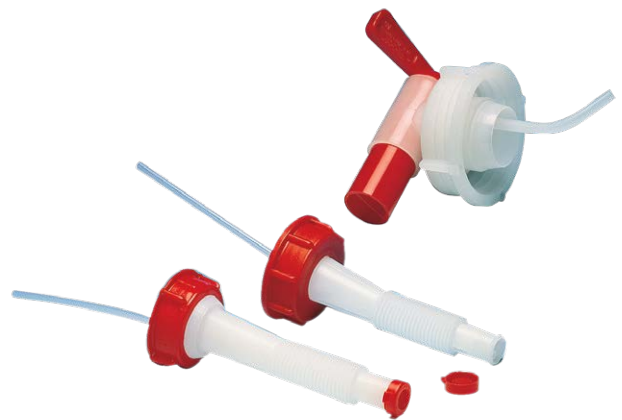
For washing machine, depending of the water hardness, this regeneration salt can be used in all washing machines

Description	Pk	Cat. No.
Sodium chloride	4 kg	99062.4000



Accessories

Description	Cat. No.
5 and 10 L packs	
Tap DIN 51	29548.042
Tap DIN 51 with flexible	29548.075
20 L packs	
Tap DIN 61	29548.043
Tap DIN 61 with flexible	29548.086



Disinfectant test strips

These easy to use strips enable you to make sure that your disinfectant solutions are at effective concentrations while leaving minimal undesirable residues on plant after cleaning.

- Rapid and convenient results in seconds without anything else needed
- Precise: Colours adjusted and checked using standard solutions
- Pictograms with clear instructions
- Low cost per test

Test strip	Max. mg/L	Graduations (mg/L)	Cat. No.
Peroxide	25	0/0,5/2/5/10/25	85433.601
	100	0/1/3/10/30/100	85434.601
	1000	0/50/150/300/500/800/1000	85435.601
Peracetic acid	50	0/5/10/20/30/50	85436.601
	500	0/50/100/200/300/400/500	85437.601
	2000	0/500/1000/1500/2000	85438.601



Setting science in motion to create a better world



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