



Laboratory cleaning

AUSILAB™, a complete range of detergents - Dishwasher - Consumables



AUSILAB™

A complete range of detergents for cleaning in laboratory and industry.

To get the best possible results for chemical reactions or analytical work, it is required to have clean glassware. All glassware must be physically, chemically and in some cases bacteriologically clean.

It is highly suggested to clean the glassware right after its use, to avoid any deposit or hardening of residues. It is important to note that most new glassware is slightly alkaline. It is therefore important to soak the glassware in acid water (a 1% HCl or HNO₃ solution) for several hours before using it.

Today, with the standardization of glassware cleaning, in particular with the use of glassware washers and dryers, the main concern is the deposit of a residue on the glass after the last rinse.

The qualities required of a good detergent are :

Hand washing :

- No skin irritation for the user
- Good degreasing power even at low temperatures

Dishwasher :

- No corrosion on materials
- Concentrated detergent
- No foam
- High biodegradability

That's why CARLO ERBA Reagents offers a dedicated range of detergents, suitable for all uses in the laboratory (chemistry, histology, analysis, etc ...), for the washing of glassware (dishwasher or hand wash), hand washing and surface cleaning. These products are in easy to use packaging and come in liquid or solid form. They comply with the current standards on biodegradability.

	Hand washing	Dishwasher	Surface disinfection	Hand hygiene	Maintenance of surfaces
AUSILAB™ 110	■				
AUSILAB™ 140	■				
AUSILAB™ 210		■			
AUSILAB™ 250		■			
AUSILAB™ 260		■			
AUSILAB™ 280		■			
AUSILAB™ 290		■			
AUSILAB™ 310			■		
AUSILAB™ 320			■		
AUSILAB™ 330			■		
AUSILAB™ 400				■	
AUSILAB™ 500					■

AUSILAB™ for glassware hand washing

AUSILAB™ 110

Concentrated neutral liquid detergent to be used in aqueous solution for washing glassware and laboratory utensils.

Ausilab™ 110 is compatible with all types of equipment. It can be used for varnished surfaces, marble, glass, pyrex, stainless steel, aluminum, etc ...

To be used at 0.2% in aqueous solution for regular washing and 0.5% in case of persistent residues.

- Color : blue
- Viscous liquid
- Odour: fragranced
- Density : 1,02±0,05 g/ml
- pH : 6,6±0,5



AUSILAB™ 140

Concentrated alkaline liquid detergent for glassware washing, ideal for degreasing and persistent dirt.

Ausilab™ 140 is effective for all types of applications including degreasing and general cleaning to remove all types of dirt (soot, oils, organic waste and minerals, ...). Its alkalinity is compatible with all kinds of materials: iron, zinc, aluminum, stainless steel etc ... It is free of phosphates.

It is to be diluted to a concentration of 2%, 5% or 10%. Soak the objects for 2 hours. A final rinse is needed.

- Color : yellow
- Colorless liquid
- Odour : fragranced
- Density : 1,09±0,02 g/ml
- pH : 11,2±0,5

Product name	Code	Pkg	Composition
AUSILAB™ 110	FG201149	4 x 5kg	Between 15 - 30 % anionic surfactant ≤ 5 % moisturizer
AUSILAB™ 140	FG201220	4 x 5kg	Between 5 - 15 % EDTA and salts 5 - 15 % non-ionic surfactants

Washing aids

Diluted acetic acids have no surfactants and can be used to remove stains and residues after the wash. It can also be used for descaling.

Description	Code	Pkg
Acetic acid 45%	526545	5l
Acetic acid 45%	526546	10l
Acetic acid 27%	508645	5l
Acetic acid 17%	PS0808/41	10l

Essential for manual dishwashing

Find a selection of consumables suitable for washing and drying of your glassware.

Gloves

Natural rubber

With a padded interior, yellow color, these gloves offer an excellent tactile sensation and good resistance to ketones and many acids.



Size	Pkg	Code
6 - 6 1/2	1 pair	LLG09005201
7 - 7 1/2	1 pair	LLG09005202
8 - 8 1/2	1 pair	LLG09005203
9 - 9 1/2	1 pair	LLG09005204
10 - 10 1/2	1 pair	LLG09005205

Ultranitrile 492

With its cotton lined interior, these green gloves have a rough surface allowing a perfect grip. Their nitrile composition as well as their thickness give them an excellent mechanical and chemical protection.

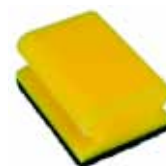


Size	Pkg	Code
XS	1 pair	LLG06224148
S	1 pair	LLG09005170
M	1 pair	LLG09005180
L	1 pair	LLG09005190
XL	1 pair	LLG09005200
XXL	1 pair	LLG06223413

Sponges

With both of its sides this sponge fits perfectly to your washing requirements. Its abrasive side allows to remove the most encrusted impurities while its soft side ensures a light cleaning for most sensitive equipment.

Dimensions	Pkg	Code
150 x 90 x 40	10	LLG06266672
95 x 70 x 45	10	LLG06266673



Fiber brushes

Equipped with a steel rod and a polypropylene handle, these brushes offer a perfect ergonomics and a great comfort of use. In its lower part, a sponge allows access to all corners of the cleaned material. The fiber part is very resistant, which gives them a very long lifetime.



	Brush Ø (mm)	Length (mm)	Pkg	Code
Brush for burettes and pipes, Fig.a	20 x 125	845	10	LLG06267293
Brush for large bottles, Fig.b	70 x 130	460	10	LLG06267294
Brush for medium size bottles, Fig.c	50 x 110	460	10	LLG06267295
Brush for small size bottles, Fig.d	40 x 110	380	10	LLG06267296
Brush for test tubes, Fig.e	25 x 100	295	10	LLG06267297
Brush for narrow test tubes, Fig.f	12 x 80	235	10	LLG06267298

Safety labeled wash bottles

Made of LDPE, these wash bottles meet the EC standard no. 1272/2008, they are color coded to facilitate their recognition. Their distribution tube has been specifically designed to optimize the liquid reflux and reduce turbulences as much as possible.



Printing	Volume (mL)	Pkg	Code
Acetone	500	1	LLG09223504
Distilled water	500	1	LLG09223505
Ethanol	500	1	LLG09223506
Isopropanol	500	1	LLG09223507

Cleaning towels Wypall® L20

Made of AIRFLEX®, this single use paper ensures a good absorption of aqueous or fatty liquids as well as a very good resistance to tearing when wet.



Dimension	Color	Quantity	Pkg	Code
235 x 380 mm	Blue	500 sheets	1	LLG09413054
330 x 380 mm	Blue	500 sheets	1	LLG09413044
205 x 380 mm	White	300 sheets	6	LLG09413091

Drying racks

For drying laboratory glassware this drying rack can accommodate up to 50 bottles and 5 round bottom flasks. With the possibility to place it either on a wall or on a bench this drying rack can adapt to any type of laboratories.



Dimension (L x P x H)	Code
360 x 130 x 650 mm	LLG06281619

Drying oven

BINDER
Best conditions for your success

The natural convection ovens of the ED series are ideal for fast and homogeneous drying. Their temperature range starts at + 5 ° C above the ambient temperature and up to 300 ° C thus to adapt perfectly to your processes of drying.



Type	Volume (L)	Dim. ext. (L x H x P) (mm)	Recovery time(min)	Code
ED115	114	710 x 735 x 605	16	LLG04658059
ED260	255	810 x 965 x 760	20	LLG06280292
ED400	400	1235 x 1025 x 765	31	LLG09883551
ED720	720	1235 x 1530 x 865	34	LLG09883552

AUSILAB™ for laboratory glassware washer

AUSILAB™ 210

Alkaline powder detergent suitable for the washing of all laboratory utensils by labware washers.

Ausilab™ 210 has been designed for cleaning in machine at any temperature. It guarantees the elimination of all types of organic waste. It is not corrosive to usual laboratory materials and dishwashers.

- Color : white
- Homogeneous powder
- Characteristic fragrance
- pH : 12,5±0,5

It is to be used at a concentration of 2 to 6 g/l according to the water hardness.

Description	Code	Pkg	Composition
AUSILAB™ 210	FG201138	8kg	≥ 30 % Phosphates ≤ 5 % non-ionic surfactants



AUSILAB™ 250

Neutralizing liquid acid descaling without surfactants or phosphates, specifically developed for the removal of scale deposits and the cleaning of residues and grease in laboratory machinery and utensils.

Ausilab™ 250 is used as a prewash agent, ideal for the removal of organic residues, proteins, bases and amines. Compatible with the majority of metals, plastics, glass and ceramics.

- Color : transparent
- Liquid
- Characteristic fragrance
- pH : 2,0±0,5
- Density : 1,16±0,05 g/ml

Depending on the level of residues and its incrustation, the dosage will vary between 0.1 and 0.4% at a temperature of 60 ° C. It is recommended to perform a final rinse with clean water to eliminate the acidic remains of the product.

Description	Code	Pkg	Composition
AUSILAB™ 250	FG201139	4 x 5kg	≥ 30 % Organic acids



To check updated MSDS,
certificates of analysis,
www.carloerbareagents.com



AUSILAB™ 280

Alkaline liquid detergent with dispersants agents, no surfactants, no foam more than 90% biodegradable, suitable for washing very dirty material.

Ausilab™ 280 is compatible with plastics, glass, metals (except aluminum, zinc and tin).

The product is to be used at a concentration of 0.1 to 0.4% at a temperature of 50 to 80 °C. Final rinse until alkaline residues are removed.

- Color : transparent
- Liquid
- Characteristic fragrance
- Density : 1,29±0,05 g/ml
- pH : 12,5±0,5



Description	Code	Pkg	Composition
AUSILAB™ 280	FG201151	4 x 5kg	≥ 30% E.D.T.A. Between 5 - 15% NaOH

AUSILAB™ 290

Alkaline liquid detergent manufactured according to the ECOCERT standard.

Ausilab™ 290 is compatible with stainless steel, ferrous and non-ferrous metals, PEPP, PVC, Teflon, glass and ceramic. It is incompatible with aluminum, zinc and tin.

The product is to be used at a concentration of 0.1 to 0.4% at a temperature of 50 to 80 °C. Final rinse until total removal of the residue.

- Color : pale yellow
- Liquid
- Odorless
- Density : 1,28±0,05 g/ml
- pH : 12,6±0,5



Description	Code	Pkg	Composition
AUSILAB™ 290	FG201200	4 x 6kg	≥ 30% Citrates and gluconates Between 5 - 15% NaOH

AUSILAB™ 260

Regenerating salt containing more than 98% NaCl.

Ausilab™ 260 is ideal for the thorough cleaning of all types of dishwashing machines.

The product must be poured directly into the bin provided for this purpose in the dishwasher.

- Color : white
- Crystalline powder



Description	Code	Pkg	Composition
AUSILAB™ 260	FG20C1156C5	5kg	≥ 98% NaCl

Laboratory glassware washers

To optimize your cleaning processes, the new generation of MIELE washers offer a great flexibility with a great diversity of accessories to adapt perfectly to all the glassware of your laboratory.

Type	PG 8583 AE WW ADP LD	PG 8583 CD AE WW AD CM LD
Version	Liquid	Liquid
Dimensions (L x H x P)(mm)	600 x 835 x 600	900 x 835 x 600
Drying system	ECODRY	DRYPLUS
Pump for demineralised water	Oui	Oui
Finish	Stainless steel	Stainless steel
Code	MIE010084510	MIE010215770



Accessories

Description	Code
Asic basket without base model A 102	MIE09862360
Half supplement for various bottles model AK 12	MIE03830510
Basic lower basket with injection model A 150	MIE09862400
Module A 300 for 2 x 4 narrow glassware with 8 injectors model E 352 and 8 tulip holder model E 354	MIE09862470

All models and accessories in the MIELE range are available on request.

Stainless steel laboratory cart

Made of CNS 18/10, material no. 1.4301, with micro-polished surface. All shelves have a rounded profiled edge to prevent objects to fall. The shelves are welded to the cart. The maximum load per shelf is 80 kg. Each shelf is equipped with a sound absorber on its lower side. Round tubes at the front ends are used as handles. The trolleys are equipped with galvanized steel wheels (4 swivel wheels including 2 with brakes, diam 125mm wheels) which are inserted into the tubular frame. It comes with plastic bumpers (polyamide) on each of the four corners to protect against damage.



Description	Width (mm)	Depth (mm)	Height (mm)	Code
2 shelves, storage height 585 mm	900	600	950	LLG09148101
3 shelves, storage height 275 mm	900	600	950	LLG09148104

AUSILAB™ for disinfection of surfaces

AUSILAB™ 500

Powerful cleaner and degreaser, free of alkali caustic, with surfactants, glycols and emulsifier.

Ausilab™ 500, due to its specific formulation is ideal for removing all types of residues, stains and grease leaving the surfaces totally clean and without marks. It does not contain chlorine or its derivatives and is suitable for stainless steel. It is ideal for clean organic hoods.

It is used pure by applying it on the surface to be cleaned or on a clean cloth rubbing until the area is dry.

- Color : yellow
- Liquid
- Odour : fragranced
- Density : 1,01 ±0,05 g/ml
- pH : 8,4±0,5

Description	Code	Pkg	Composition
AUSILAB™ 500	FG201140	15 x 750ml	Between 5-15 % alcohols ≤ 5 % non-ionic surfactants

AUSILAB™ for hand cleaning

AUSILAB™ 400

Hydro-alcoholic product not only for hand cleaning but also for surfaces and accessories.

Ausilab™ 400, due to its sophisticated formulation, protects the skin in case of frequent use. It is not corrosive.

In gel form, and neutral, it is used pure at a dose between 3 and 5 ml per application by rubbing continually and carefully until completely dry.

- Color : transparent
- Liquid
- Odour : fragranced
- Density : 0,86 ±0,05 g/ml

Description	Code	Pkg	Composition
AUSILAB™ 400	FG201146	6 x 500ml	≥ 50 % Alcohols Between 5-15 % hydrating agents Between 0-1 % benzalkonium chloride



AUSILAB™ for disinfection of surfaces

AUSILAB™ 310

Chlorinated detergent with a high disinfecting power against proteins, fats, blood and common organic residues.

Ausilab™ 310 has been specially formulated for the cleaning and disinfection, in one operation, of heavily contaminated surfaces and utensils. It is an effective inhibitor for microbial growth, preventing the formation of odors due to decomposition, decay and fermentation.

Use the product pure or in aqueous solution to a concentration of 10 to 150 cm³/l depending on the substrate, the type and quantity of dirt to be removed and the method of application (manual cleaning, by immersion in baths or by circulation). Minimum duration of contact : 10 minutes. Fungicide efficacy if ≥2%, bactericidal if concentration > 15%.

- Color : yellow
- Clear liquid
- Chlorine fragrance
- Density : 1,12 ±0,05 g/ml
- pH : 13,0±0,5

Description	Code	Pkg	Composition
AUSILAB™ 310	FG200074	4 x 6kg	5% Sodium hypochlorite 3% Sodium hydroxide ≤ 5 % Non ionic surfactants and phosphonates

AUSILAB™ 320

Moderately acidic liquid bactericidal fungicide detergent, formulated for cleaning and disinfection of heavily contaminated surfaces and utensils.

Ausilab™ 320 is specially formulated and recommended for the complete cleaning and disinfection of surfaces in laboratories, pet shops, the food industry and communities.

Use the product in aqueous solution according to the substrate, type and amount of dirt to be removed and the method of application (manual cleaning or immersion in baths). Use in solution (5% bactericidal efficacy), allow the product to react for up to 10 minutes.

- Color : blue
- Clear liquid
- Odour : fragranced
- Density : 0,98 ±0,02 g/ml
- pH : 2,5±0,5

Description	Code	Pkg	Composition
AUSILAB™ 320	FG200075	4 x 5kg	5,6 % Dodecyldimethylammonium chloride Between 5 - 15 % Aliphatic alcohol and organic acid ≤ 5 % Non-ionic surfactant

AUSILAB™ 330

Fungicidal, bactericidal, liquid, alkaline detergent with a high concentration of active ingredients specially formulated for cleaning and disinfecting heavily contaminated surfaces and utensils.

Ausilab™ 330 inhibits bacterial growth and has a deodorant and degreasing action. Thanks to his strong antibacterial properties it is ideal for baths as an additive.

To be diluted according to the degree of residues. Bactericidal to a concentration > 2.5%, Fungicide at a concentration > 15%. Minimum contact time: 10 minutes.

- Color : blue
- Clear liquid
- Odorless
- Density : 0,98 ±0,02 g/ml
- pH : 2,0±0,5

Description	Code	Pkg	Composition
AUSILAB™ 330	FG200276	4 x 5kg	7% Dodecyldimethylammonium chloride Between 5 - 15 % Aliphatic alcohol 8% 2-aminoethanol ≤ 5 % Non-ionic surfactants and EDTA





Over 6000 products in our Chemicals catalogue and
21000 references in our Labware catalogue!!!

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