



DETERGENTS AND ADDITIVES



To achieve excellent washing results and optimise the thermal disinfection of laboratory instruments, specific detergents should be used. Camlab has a specially formatted range of acid, alkaline and neutral detergents (for use during the washing phase) and neutralising agents (for use during the neutralisation phase) especially designed to guarantee efficient cleaning and optimise the efficiency of the final thermal disinfection phase. In addition we also carry the Neodisher range for machines with powder dispensers. The Camlab range of machines typically feature liquid dosing systems but are available with powder dispensers on request. Note that the concentrated forms require a lower dose rate. For details see the table opposite.

WATER TREATMENT

To obtain high quality washing standards, it is fundamentally important to use correctly treated water.

In the prewash, washing and neutralisation phases, softened water should always be used. Models CUB 3060 and CUB EXTRA4090 have an efficient built-in decalcifier capable of reducing the hardness of the supply water so as to prevent the classic formation of lime scale inside the chamber and on the items being cleaned.

The MAXI 6090 series, on the contrary, uses large quantities of water during the cleaning phase and therefore requires an external treatment system. The WS range of water softeners feature high performance, compact size and ease of installation. Equally important is the rinsing of the instruments with demineralised water in order to eliminate any contaminants remaining in the washing chamber. For this purpose, Camlab has both the compact and efficient WP3000 mixed resin bed demineraliser and the RO series of reverse osmosis systems. Additionally we also carry other manufacturers brands.



WP3000

Resin column water purifier

The WP3000 water purifier can be used with CUB 3060 and CUB EXTRA4090 to produce deionised water at 0.8-1 $\mu\text{S}/\text{cm}$, suitable for the final rinsing of instrument washers. The system uses mixed bed resins (disposable) which can also retain silica. When the resins run out, they can simply be replaced with the MI700WP kit.

The resin cartridge is made out of stainless steel, as is the entire machine.

Net capacity of cartridge: 15 litres

Dimensions: l x d x h = 300x600x850 mm.

MI700WP

Anion/cation mixed bed resins kit for the WP3000 water purifier. Total exchange capacity 42700 litres below 5 $\mu\text{S}/\text{cm}$ hardness at end of cycle. Supplied with exhausted resin disposal bag.

Type	Description	Form	Ordering Info.
ALKALINE DETERGENTS	CAMCLEAN ORIGINAL - Camclean alkaline detergent is specially formulated for difficult cleaning tasks and is designed specifically for use in Camlab's range of CUB and MAXI washing machines. It has wide temperature range and works seamlessly with Camlab washing machine programmes. It can be used in all makes of machine and has been developed for use with CAMACID neutraliser for perfect streak free results with laboratory glassware. Dose rate: 1.25% at 40-90°C	Liquid	5L 1167322 10L 1127874 25L 1127873 200L 1161474
	CAMCLEAN A10 UNIVERSAL CONCENTRATE- Mild alkaline universal cleaner suitable for most cleaning jobs. Perfect for glass, porcelain, metals and plastics. Powerful removal of fats, grease, labels and gum. Dose rate: 0.5% at 55°C only	Liquid	1L 1178769 10L 1178770
	CAMCLEAN A20SF PIPETTE CONCENTRATE- Mild alkaline cleaner specifically designed for cleaning pipettes. This product is tenside free which guarantees that there will be no residues after cleaning and allows excellent drying. Dose rate: 0.5% at 50-70°C	Liquid	1L 1178777 10L 1178778
	CAMCLEAN A25 MEDICAL CONCENTRATE- Strong alkaline cleaner designed for removal of blood, saliva, protein, bone, greases fats and oils. Ideal for medical instruments, alkali resistant glass, plastics and ceramics. NOT for aluminium, magnesium or light metal alloys. Dose rate: 0.5% at 55°C only	Liquid	1L 1178775 10L 1178776
	NEODISHERA8 - Alkaline cleaning agent with a high dirt suspending power. Extremely good cleansing power for laboratory glassware.	Powder	1KG 1153153 25KG 1153154
	NEODISHERF - Intensive cleaning agent with high cleansing power. Good sequestering and dispersion action. Phosphate free, tenside free.	Powder	3KG 1153155
	NEODISHERFA - Cleaning agent with good emulsifying and dispersing action and very gentle on the material. Free of tensides and oxidative additives.	Liquid	5L 1153159
	NEODISHERFLA - Intensive cleaning agent with a tenside-free formulation. Caustic alkaline, containing no phosphoric compounds or oxidising agents.	Liquid	5L 1153159 17.6L 1153161
	NEODISHERFT - Tenside-free cleaning agent. Specifically formulated for the microbiology sector.	Liquid	9.1L 1140233
	NEODISHERGK - Mildly alkaline cleaning agent. Specifically formulated for glassware with cell and tissue cultures, containing no tensides.	Powder	10KG 1153156
	NEODISHERLA - Intensive cleaning agent with powerful emulsifying, dispersing and defoaming action. Particularly suitable for removal of fats, oils and paraffins.	Powder	3KG 1153157
	NEODISHERUW - Mildly alkaline cleaning agent for cleaning laboratory glassware in water-analysis laboratories. Phosphate free.	Powder	10KG 1153158
NEUTRAL DETERGENTS	CAMCLEAN N10 SENSITIVE CONCENTRATE - Neutral cleaner designed for cleaning light residues, oils and markings from glass, ceramic, plastics and metals including aluminium and alloys. Dose rate: 0.5% at 55°C only	Liquid	1L 1178773 10L 1178774
ACIDIC DETERGENTS	CAMCLEAN S10 ACID CONCENTRATE- Acidic cleaner pH 2.5 suitable for cleaning aluminium and light metal alloys. This cleaner removes mineral deposits, lime, lime soaps and non ferrous heavy metal oxides. It is also good for removal of mineral fat and oil (not Vegetable or Animal). Dose rate: 0.5% at 55°C only	Liquid	1L 1178771 10L 1178772
	CAMCLEAN S20 HIGH ACID CONCENTRATE - Highly acidic cleaner pH <1 has been designed for the removal of very tenacious contaminations such as metal oxides (rust), fluxing agents, organic residues and mineral fat and oils. Not suitable for aluminium and light metal alloys. Dose rate: 0.5% at 55°C only	Liquid	1L 1178767 10L 1178768
	NEODISHERN - Acidic cleaning and neutralising agent on a phosphoric acid basis, providing neutralising action as an additive to the first after-rinse water after using alkaline agents. Tenside free.	Liquid	1L 1153162 5L 1153163 8.1L 1153164
	NEODISHERZ - Acidic cleaning and neutralising agent on the basis of organic acids. Free of tensides, phosphates and sequestering agents containing nitrogen. As a neutralising agent, it is particularly suitable for use as an additive added to the first after-rinse water after using mildly alkaline cleaning agents.	Liquid	1L 1153165
ANTI-FOAM	CAMCLEAN ANTI FOAM - Defoaming Liquid. Antifoaming agent with an emulsified silicone oil base. Dose rate: 3-4 squirts per load if required.	Liquid	500ml 1127877
	NEODISHERS - Defoaming Liquid. Antifoaming agent with an emulsified silicone oil base. Only a very small quantity required to prevent foaming.	Liquid	1L 1153166