

Detergents and Cleaning Supplies

7X[®] Laboratory Detergents

The Laboratory Detergent Researchers Have Trusted Over 40 Years!

Available Exclusively From ICN.



- Safe and Effective Cleaning Formulation
- Phosphate-Free, Environmentally Friendly Formulations
- Complete Solubility at ANY Concentration
- Drains Completely in Seconds
- Contains Powerful Sequestering Agents
- Ideal for Cultureware and General Lab Use
- Thoroughly Cleans Glass and Plastic Labware
- Automatic Formulations Available

7X[®] Laboratory Detergents have been used for forty years for safe and effective cleaning of laboratory instruments and apparatus including glass. It was originally developed to be an effective solution for "hand-cleaning." However, today environmentally safe formulations and automatic washer formulations are available.

Biodegradable: - ES 7X[®] (7X-PF in Europe) is an environmentally safe formulation which is biodegradable by normal environmental action. It is free of phosphates known to be harmful to the environment.

Soluble: All formulations are immediately and completely soluble in water at any concentration without requiring agitation. With other detergents, the precipitation of solids on cleaned surfaces is a major problem. But, with continued use of 7X[®], undissolved particles are eliminated and their re-deposition is prevented.

Drainage: Glassware washed in any formulation drains completely in just a few seconds. Solutions which do not drain quickly usually allow unwanted molecules to be deposited on the washed surface to the extent of leaving a visible film which may contaminate valuable cell cultures.

Dispersion: All formulations contain powerful dispersing agents in suspension. Dispersion and deflocculation are important factors in detergent action. Materials may not be thoroughly removed unless they are reduced from agglomerates to smaller, individual particles. This permits them to be held in suspension which avoids re-deposition on surfaces to be cleaned.

pH: All forms of 7X[®] are compatible with alkalis and acids. The pH is near normal and varies only minimally with the concentration. A 5% solution in distilled water has a pH range of 6-9.

Etching: The neutral pH of 7X[®] formulations will not induce or cause etching of delicate glassware. This prevents against non-sterile conditions, weight-loss, and premature breakage.

Toxicity: All formulations should be of particular value in cell culture applications where ANY trace of chemical contaminants can interfere with the growth of cell cultures in any labware.

Composition: 7X[®] and its related formulations are supplied as concentrated liquids made of an anionic surface active agent and special solvents. Alkaline salts, such as complex phosphates, have been added as builders to 7X[®]. All environmentally safe formulations are free of phosphates which can be toxic to the environment.

Storage: All formulations can be stored at normal room temperature indefinitely.

Applications: 7X[®] has been developed for use whenever a high degree of cleanliness is required. Test tubes, petri dishes, culture flasks and cylinders, burettes, pipettes, slide covers, hypodermic syringes, and all other laboratory apparatus and surgical equipment can be effectively cleaned with 7X[®] laboratory detergents. Whenever critical cleaning procedures are involved, the use of 7X[®] is recommended.

Detergents and Cleaning Supplies

Cat. No.	Description	Qty.	Price
7667094	7X®Detergent	4x1 gal.	70.50
7667095		5 gal.	70.50
7667098		55gal.	554.30
7667194	ES 7X®Detergent	4x1 gal.	76.85
7667195		5 gal.	76.85
7667198		55gal	724.35

In Europe

Cat. No.	Description	Qty.	Price
7667125	7X-PF Detergent	9x1 liter	73.20
7667121		2x5 liter	73.20
7667128		25 liters	122.10
7667129		200 liters	694.55

Automatic Washer Formulations

7X® -O-Matic was developed to be an effective detergent for cleaning procedures using automatic or mechanical washers. ICN is pleased to offer ES 7X®-O-Matic (7X-PF O-Matic in Europe) as an environmentally friendly laboratory detergent.

Biodegradable: - ES 7X®-O-Matic (7X-PF O-Matic in Europe) is an environmentally safe formulation which is biodegradable by normal environmental action. It is free of phosphates known to be toxic to the environment.

Soluble: "O-Matic" formulations are true solutions, not mixtures. They will not separate, deteriorate, undergo reversion, or lose effectiveness even at temperatures as low as -10°C. It will not undergo hydrolysis.

Drainage: Glassware washed in any "O-Matic" formulation drains completely in just a few minutes. This is an important factor since inadequate drainage may leave unnecessary deposits which could harm equipment or critical experimental work.

Penetration: All "O-Matic" formulations contain a powerful wetting agent which will clean microscopic crevices not normally accessible to ordinary detergents.

pH: All forms of 7X®-O-Matic are stable to acids and bases in solution. A 1% solution in distilled water has a pH range of 9-11.

One call. One source.
A world of biomedical products.

Etching: The neutral pH of 7X®-O-Matic formulations will not induce or cause etching of delicate glassware. This prevents against non-sterile conditions, weight-loss, and premature breakage.

Toxicity: All formulations should be of particular value in cell culture applications where ANY trace of chemical contaminants can interfere with the growth of cell cultures in any labware.

Composition: 7X®-O-Matic formulations are amber colored, highly concentrated solutions containing a unique non-ionic surfactant coupled with a hydrotrope to complex phosphates stabilized and buffered to provide optimum efficiency. ES 7X®-O-Matic and 7X-PF O-Matic are similar in formulation, but they are devoid of environmentally unfriendly phosphates.

Storage: All formulations can be stored at normal room temperature indefinitely.

Applications: 7X®-O-Matic has been formulated to provide a low-foaming, concentrated surfactant, especially suitable for use in automatic and mechanical washers. It is effective at temperatures ranging from ambient to 85°C. Whenever critical cleaning is required, 7X®-O-Matic and its related formulations are recommended.

Cat. No.	Description	Qty.	Price
7667494	7X®-O-Matic	4x1 gal.	119.10
7667495	Detergent	5 gal.	119.10
7667498		55gal.	995.45
7667594	ES 7X®-O-Matic	4x1 gal.	129.85
7667595	Detergent	5 gal.	129.85
7667598		55gal	1213.55

In Europe

Cat. No.	Description	Qty.	Price
7667525	7X-PF O-Matic	9x1 liter	89.80
7667521	Detergent	2x5 liter	89.80
7667528		25 liters	206.70
7667529		200 liters	1166.45

1509 To place an order: (800) 854-0530, fax (800) 334-6999
Outside of the U.S.: (714) 545-0100, fax (714) 557-4872

Detergents and Cleaning Supplies

7X® Accessories

Cat. No.	Description	Qty.	Price
7663000	7X® Meter-Mixer Control	1 each	34.35
9941431	7X® Quick Serve Faucet (Fits one gallon containers)	1 each	4.05
9312127	7X® Spigot/Tap (Fits 5 gallon containers)	1 each	3.35

Dekasol™ Decontamination Solution



Dekasol™ is an economical and extremely effective agent for the removal of radioactivity from the surfaces of laboratory glassware and equipment. Following a full 24-hour soak at room temperature in a 5% Dekasol solution and then rinsing with distilled water, residual activity for ¹⁴C, ³H, and ³²P is usually 0.2% of the original activity. For more stubborn substrates, soaking in a 20% solution of Dekasol™ at 50°C for two hours will provide effective decontamination. More rapid decontamination can be accomplished by increasing the concentration and elevating the solution temperature. Dekasol™ will also quickly clean:

- Stopcock and Vacuum Greases
- Lanolin
- Protein Complexes
- Canada Balsam
- Amino and Fatty Acids
- Petroleum Jelly
- Polymer Films

Cat. No.	Description	Qty.	Price
808026	Dekasol™	1 gal.	35.00
		5 gal.	105.00

Decontamination Towelettes

These towelettes are the newest, most efficient, and safest method for radioactive contamination removal from hands and small objects. The towelettes are soaked in Dekasol™ decontamination solution and will immediately remove contaminants from surfaces without extensive scrubbing.

Cat. No.	Description	Qty.	Price
808027	Decontamination Towelettes	100/pk	44.10
		500/pk	176.40

Absorbent Paper

Used to cover and protect work surfaces, such as tables, desks, carts, and bench-tops, against liquid spills. The paper has an embossed absorbent surface which is 0.075" thick with a polyethylene backing. Liquids are absorbed by the top layer and are prevented from reaching the work surface by the backing. Each roll is 300 ft x 20" and weighs 20 lbs.

Cat. No.	Description	Qty.	Price
808462	Absorbent Paper	1 roll	137.80
808463		2 rolls	259.10

Disposable Pads

These pads are highly absorbent, made of several layers of materials. Each large pad is capable of absorbing more than 500 ml of solution. The polyethylene backing resists liquid penetration giving further protection to your work areas. They are ideal for contamination control and can easily be handled for disposal. They may be used on bench-tops and placed inside trays to prevent the spread of contamination. They are 17" x 23" in dimension.

Cat. No.	Description	Qty.	Price
808451	Disposable Pads	300/pk	159.85

Plastic Trays

These 20" x 30" x 1.5" trays, made of fiberglass reinforced polyester plastic, are resistant to most chemicals and are easily decontaminated. They are ideally suited for use with the disposable pads to confine and prevent the spread of contamination.

Cat. No.	Description	Qty.	Price
808456	Plastic Trays	1 each	86.00