

Detergent 7X[®] Concentrate

SERVA

*serving
scientists!*

Safe and Effective Cleaning of Laboratory Instruments and Glassware

Detergent 7X[®] has proven to be of particular value in tissue culture laboratories where any trace of chemical contaminants can interfere with the growth of cell cultures in tubes and flasks. Test tubes, petri dishes, flasks, cylinders, burettes, pipettes, slide cover glasses, hypodermic syringes and all other types of laboratory glassware and surgical instruments can be cleaned with Detergent 7X[®].

Environment-friendly

Detergent 7X[®] concentrate is a low foaming liquid made up from anionic surfactants, special solvents and builders. It is completely free of phosphate and biodegradable hence environmentally safe. It is non-hazardous and non-caustic, therefore chemically safe.

- Low-foaming, phosphate-free
- Chemically safe
- Biodegradable
- Non-toxic for tissue culture
- No etching of delicate glassware



7X[®] is a powerful dispersing agent

Detergent 7X[®] is pH neutral and compatible with alkalis and acids. A 5 % solution in distilled water has a pH of 7.8. The near neutral pH will not induce etching of delicate glassware. Detergent 7X[®] is immediately and completely miscible with water at any concentration, without agitation.

The powerful dispersing agents in the 7X[®] solution effectively reduce agglomerates to individual particles and hold them in suspension. Thus re-deposition of particles on surfaces to be cleaned is avoided, which is a major problem with normal detergents.

Residue-free cleaning

Glassware washed in Detergent 7X[®] solution drains completely in a few seconds. In cases of inadequate drainage, molecules of solute can remain on the washed surface due to evaporation and may build a visible film on the glassware.

Directions for use

1. For normal washing of laboratory glassware a 5 – 10 % solution of Detergent 7X[®] should be used. This solution can be reused as there is no exhaustion. The prepared solution will become diluted when wet glassware is immersed in it. Simply add a little more Detergent 7X[®].
2. A cold soak overnight may be found more effective for heavily contaminated articles.
3. For rapid cleaning, or when soiling is of a greasy or oily nature, a 1 % solution of Detergent 7X[®], heated to near boiling point, used and then discarded, is very effective.
4. For glassware to be autoclaved before washing, a 1 % solution of Detergent 7X[®] added beforehand will speed up the removal of denaturated proteinaceous material.
5. Ensure that all articles are fully immersed during the soak and wash periods.
6. After washing, rinse immediately and thoroughly. Rinse as many times as is indicated by procedural requirements. Four rinses, including two final rinses in demineralised water, are recommended if complete freedom from deposits is required.

Ordering Information

Product	Quantity	Cat. no.
Detergent 7X [®] neutral, phosphate-free	1 l	34205.01
	10 l	34205.02
	10 x 10 l	34205.03