

7X™ for Critical Cleaning in the Biotechnology Industry

What is critical cleaning in biotechnology?

Critical cleaning in biotechnology refers to a very specific type of cleaning in a highly restricted environment; negative consequences arise if the cleaning is not performed adequately. The cleaning itself can affect the value of the finished product from whatever residue or contaminant is being cleaned. Critical cleaning is required by FDA, EU or cGMP in any regulated biotechnology industry to remove residues and contaminants to below a desired preset level.

What factors should I consider before selecting a detergent for critical cleaning?



Detergent should best match the soil to be cleaned



Compatibility of the detergent to the cleaning surface



Detergent should be suitable for the cleaning method



Minimal impact of the detergent on the environment

Why use 7X for your biotechnology applications?

From small glass spinner flasks to large stainless-steel fermentation tanks, from irregular shaped mixing blades to harvest tubes, our 7X series of detergents can eliminate contamination and assure critical cleaning for all your biotechnology processing requirements.

An economical 1% concentration in water is effective for various cleaning applications. Made in the USA under a cGMP compliant environment, our 7X can thoroughly clean various soils such as biomaterials, proteins, enzymes, oils, biofuels, gels, pigments, etc.



Learn more at www.mpbio.com

Benefits of our 7X

- ✓ Fast and effective removal of various soil types
- ✓ Rinses clean with no leftover residues
- ✓ Versatile for cleaning various surfaces
- ✓ Nontoxic for tissue and cell cultures
- ✓ Environmentally-friendly
- ✓ Concentrated liquid formulation for easy dilution
- ✓ Lot-to-lot consistency and lot number traceability
- ✓ Global availability, certification of analysis and shelf life information
- ✓ Technical and validation support
- ✓ Residue sampling techniques, ingredients disclosure and analytic methods



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Which 7X should I use?



Cat. No. 0976670

Cat. No. 0976671

Cat. No. 0976674

Cat. No. 0976675

What soil needs to be cleaned?	7X Cleaning Solution	ES 7X Cleaning Solution	7X O-Matic Cleaning Solution	ES 7X O-Matic Cleaning Solution
Bioaccumulation, proteins, oils, blood, tissue, pigments, fermentation residues, gels, starches, etc.				
What surface needs to be cleaned?	7X Cleaning Solution	ES 7X Cleaning Solution	7X O-Matic Cleaning Solution	ES 7X O-Matic Cleaning Solution
Stainless steel				
Glass				
PTFE and other plastics				
Porcelain/ceramic				
Which cleaning method can be used?	7X Cleaning Solution	ES 7X Cleaning Solution	7X O-Matic Cleaning Solution	ES 7X O-Matic Cleaning Solution
Machine				
Manual				
Soak				
Ultrasonic				
Which detergent is phosphate free (i.e. eco-friendly)?	7X Cleaning Solution	ES 7X Cleaning Solution	7X O-Matic Cleaning Solution	ES 7X O-Matic Cleaning Solution
Phosphate free				
What is the pH range and type of 7X?	7X Cleaning Solution	ES 7X Cleaning Solution	7X O-Matic Cleaning Solution	ES 7X O-Matic Cleaning Solution
pH range	6.0-7.5	6.5-7.5	9.0-11.0	6.5-7.5
Detergent type	Anionic	Anionic	Non-ionic	Non-ionic
Foam level	Regular	Regular	Low Foam	Low Foam

All 7X detergents are available in the following pack sizes: 1 gallon, 4 x 1 gallon, 5 gallon, 55 gallon.

Any questions? Please contact us for technical support!



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