

7X® CLEANING SOLUTIONS

Critical Cleaning in the Biotechnology Industry

What is critical cleaning in biotechnology?

Critical cleaning is a required process in the manufacture of regulated products. Through critical cleaning, unwanted contaminants are removed from the production environment to below a preset level, thus ensuring that the final product meets the desired quality aspects.

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

Soil and residues to be cleaned

Cleaning surface material and composition

Feasible cleaning method

Impact on the environment

Why use 7X for your biotechnology applications?

MP Bio's 7X series of detergents can eliminate contamination and assure critical cleaning for all your biotechnology processing requirements. From small glass spinner flasks to large stainless-steel fermentation tanks, irregular shaped mixing blades to harvest tubes, 7X is effective on equipment of all shapes and sizes.

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.

Benefits of our 7X

- ▶ Effective removal of various soil types
- ▶ Rinses clean with no leftover residues
- ▶ Versatile for cleaning various surfaces
- ▶ Nontoxic for tissue and cell cultures
- ▶ Environmentally safe options
- ▶ Concentrated liquid formulation for easy dilution
- ▶ Ready-to-use solutions available
- ▶ 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



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.



MP BIOMEDICALS

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