

Data Sheet

Protecting your process: Solutions for storage and cleaning of chromatography resins and TFF filters

In purification processes, chromatography media and filtration devices make up a substantial part of material costs. As a result, they are often used in numerous processing cycles. In order to extend lifetime, sufficient cleaning and proper storage of media and filter devices are needed to preserve their productivity and integrity. With a broad range of cleaning and storage solutions from Merck Millipore, we help you protect all of your chromatography devices.

Efficient cleaning for longer media lifetime

Efficient cleaning is vital for maintaining chromatography media and tangential flow filtration (TFF) equipment. With cleaning solutions from Merck Millipore, you get the most out of your media and filtration devices: they effectively remove contamination from previous operations ensuring a clean and sanitary system and preventing membrane fouling for sustained productivity.

For proper cleaning of chromatography media or filtration devices, sodium hydroxide is the most common cleaning agent. It has been shown to be effective in removing proteins and nucleic acids and for inactivating most viruses, bacteria, yeasts, fungi, and endotoxins. Moreover, it can be easily detected, removed and disposed. Affinity media such as ProSep® A are effectively cleaned and sanitized with acidic solutions containing benzyl alcohol, such as our new PAB solution.



Benefits

- Protect chromatography resins and TFF membranes from contamination by using high purity, low bioburden CIP solutions.
- Reduce workload for regulatory issues by our full regulatory support with unrivaled EMPROVE® bio dossiers.
- Save time and money with ready-to-use CIP solutions in our well-known standard pack sizes from 25 L up to tank container deliveries. CIP solutions are now also available in single-use packaging.

Protect your chromatography media and filtration devices

Merck Millipore's high-quality solutions for cleaning and storing of chromatography media, such as our Fractogel®, Eshmuno® and ProSep® resins as well as our Pellicon® cassettes, are designed to meet the specific needs of our customers in the biopharmaceutical industry.

Our products fulfill the highest requirements to purity and reliability, and effectively prevent contamination of your valuable purification equipment. All our solutions are manufactured under GMP conditions and feature low bioburden levels. Moreover, our cleaning solutions bear the EMPROVE® bio trademark for exceptional quality and documentation support.

Storage solutions for chromatography resins

Because chromatography resins are usually not used permanently in production, safe interim storage must also be provided. In particular, the resins must be protected against contamination until being used again. For most resins, such as our Fractogel® media, storage in ethanol 20% or ethanol 20% with 150 mMol/L sodium chloride is recommended.

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Product overview

Product Code	Application: Cleaning of chromatography resins
137058	Sodium hydroxide solution 0.1 mol/L suitable for biopharmaceutical production EMPROVE® bio
137060	Sodium hydroxide solution 0.5 mol/L suitable for biopharmaceutical production EMPROVE® bio
Product Code	Application: Storage of chromatography resins
480910	Ethanol 20% for cleaning of biochromatography resins
480940	Ethanol 20% v/v with 150 mMol/L sodium chloride solution for storage of chromatography resins* *stock solution for Fractogel® resins
NEW 480949	PAB Solution for sanitization of ProSep® A and Eshmuno® Protein A affinity chromatography media
Product Code	Application: Cleaning of TFF membranes
137060	Sodium hydroxide solution 0.5 mol/L suitable for biopharmaceutical production EMPROVE® bio
137031	Sodium hydroxide solution 1 mol/L suitable for biopharmaceutical production EMPROVE® bio
480659	Sodium hydroxide solution 25% low iron suitable for biopharmaceutical production EMPROVE® bio

We also offer our solutions in single-use bag packaging. For more information, please visit the "Industrial Cell Culture" area at www.merckmillipore.com/biochrom

We provide information and advice to our customers on application technologies and regulatory matters to the best of our knowledge and ability, but without obligation or liability. Existing laws and regulations are to be observed in all cases by our customers. This also applies in respect to any rights of third parties. Our information and advice do not relieve our customers of their own responsibility for checking the suitability of our products for the envisaged purpose.