

# Introducing Thermo Scientific Flush Solutions

## Clearing the Way for Interference-Free Chromatography

Getting and keeping your liquid chromatography and mass spectrometry systems running smoothly is challenging, especially when protein precipitates build up. Without a proper cleaning procedure, buffers can hide in pores and interfere with retention time, peak trailing, and baseline drift. That's why we're pleased to introduce the Thermo Scientific™ ChromaCare™ family of reagents.

### Installation and Maintenance

ChromaCare Instrument Flush Solution is designed to facilitate instrument installation, instrument and column maintenance, and reduce background noise.



## Preventing Protein Precipitation and Accumulation



A thorough aqueous wash before and after using organic solvents can help to prevent the precipitation of proteins that can clog your instrument, cause sample contamination, and potentially cause premature replacement of your columns. Using the appropriate process will optimize peak shape, keep baselines smooth, and prevent precipitation.

Cat. No.	Description	Quantity	Packaging
T111101000	Thermo Scientific ChromaCare LC-MS Instrument Flush Solution	1L	Borosilicate
T111102500		2.5L	Soda Lime
MB124-1	Thermo Scientific ChromaCare LC-MS Biologic Flush Solution	1L	Borosilicate
MB124-212		2.5L	Soda Lime
T001252500	Thermo Scientific ChromaCare LC-MS Aqueous Rinse, Probe Wash 1	2.5L	Soda Lime
T001262500	Thermo Scientific ChromaCare LC-MS Organic Rinse, Probe Wash 2	2.5L	Soda Lime

Note: Choose 1L borosilicate glass bottles for applications requiring low metal ion interference, or 2.5L soda lime glass bottles for high-throughput applications.

Product	Designated Use	Procedure
T11110	Instrument Flush Solution: Polar protic and aprotic wash solution for removing a wide variety of contaminants, particularly suited for new LC installations to stabilize baseline. Composition: acetonitrile 25%, methanol 25%, water 25%, 2-propanol (IPA) 25%	Divert flow to waste and flush all LC lines overnight. If the instrument is being used for proteomics or clinical workflows, follow with a T00125 aqueous rinse solution.
T00125	Aqueous Rinse Solution: Designed for wash before and after polar aprotic solutions such as MB124 to remove hydrophilic contaminants such as proteins and buffers which can clog instruments and columns. Formulated with 2% acetonitrile to prevent bacterial growth. Composition: water with 2% acetonitrile	Divert flow to waste then flush system with T00125, then MB124, then again with T00125.
MB124	Polar protic and aprotic organic solution for removing hydrophobic carry-over, especially for clinical applications. Particularly suitable for cleaning the LC injection probe of organic contaminants. Composition: 2-propanol (IPA) 45%, acetonitrile 45%, acetone 10%	Divert flow to waste then flush system with T00125, then MB124, then again with T00125.
T00126	Acidic polar protic and aprotic wash solution to remove analytes from both the sample probe and the LC injection probe. Composition: water with 40% acetonitrile and 0.1% formic acid	Divert flow to waste then flush system with T00125, then T00126 and then finally with T00125. For more rigorous cleaning, add MB124 to the above procedure after the T00126 and end with T00125.

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