

# Set the bar ultrahigh

## Thermo Scientific UHPLC-MS reverse-phase solvents provide consistent, ultrapure quality for your discovery-driving results

Ever miss a signal? Your solvent choice means everything to the quality of your UHPLC-MS separation results. Thermo Scientific™ ultrapure solvents are designed to deliver the highest sensitivity, help ensure low formation of metal ion adducts, and improve peak profiles.

### Thermo Scientific UHPLC-MS solvents offer significant advantages:

- Novel signal-to-noise ratio specification based on propazine in MS/MS mode  
**Benefit**—optimal signal-to-noise ratio for your analysis
- 0.05 µm ultrafiltration for demanding UHPLC-MS applications  
**Benefit**—less downtime due to clogging of instrument, columns, and check valves
- LC-UV and LC-MS gradient suitability test  
**Benefit**—minimal UV-absorbing impurities combined with minimal MS-ionizing impurities, providing smooth baselines with extremely low interference, regardless of detector utilized



- Packaged in borosilicate bottles  
**Benefit**—significantly reduced leaching of metal cations (Na<sup>+</sup> and K<sup>+</sup>)

### Thermo Scientific flush solutions

#### Clearing the way for interference-free chromatography

Getting and keeping your LC-MS instrument up and running smoothly is a key challenge for scientists and lab managers, and more particularly in clinical and proteomic applications where protein precipitation can clog instruments and columns. We're pleased to introduce our family of Thermo Scientific™ ChromaCare™ reagent solutions designed for both start-up and maintenance of sensitive LC-MS chromatographs.

- The ChromaCare LC-MS Instrument Flush Solution is designed by our chromatography team to best prepare LC-MS instruments for start-up—by reducing background noise, this solution facilitates instrument installation and preventive maintenance routines
- Thermo Scientific™ LC-MS aqueous and organic rinse solutions together with our ChromaCare LC-MS Biologics Flush Solution comprise a reagent portfolio designed to prevent proteins from clogging your probes and help ensure the integrity of each and every sample

Product	Designated use	Procedure
<b>LC-MS Instrument Flush Solution</b>	Polar protic and aprotic wash solution for removing a wide variety of contaminants, particularly suited for new LC installations to stabilize baseline	Divert flow to waste, then flush all LC lines overnight—if the instrument is being used for proteomic or clinical workflows, follow with a rinse using Aqueous Rinse (Cat. No. T001252500)
<b>LC-MS Aqueous Rinse</b>	Aqueous rinse designed for initial wash before and after polar aprotic solutions such as Biologics Flush Solution (Cat. No. MB124-1 or Cat. No. MB124-212), to remove hydrophilic contaminants such as proteins, which can clog instrumentation	Divert flow to waste, then flush system with Aqueous Rinse (Cat. No. T001252500), then Biologics Flush Solution (Cat. No. MB124-212), then again with Aqueous Rinse
<b>LC-MS Biologics Flush Solution</b>	Polar protic and aprotic organic solution for removing hydrophobic carryover, especially for clinical applications—particularly suitable for cleaning the LC injection probe of organic contaminants	Divert flow to waste, then flush system with Aqueous Rinse (Cat. No. T001252500), then Biologics Flush Solution (Cat. No. MB124-212), then again with Aqueous Rinse
<b>LC-MS Organic Rinse</b>	Polar protic and aprotic wash solution to remove analytes from both the sample probe and the LC injection probe	Divert flow to waste, then flush system with Aqueous Rinse (Cat. No. T001252500), then Organic Rinse (Cat. No. T001262500), and finally again with Aqueous Rinse—for more rigorous cleaning, add Biologics Flush Solution (Cat. No. MB124-212) to the above procedure after Organic Rinse, and end with Aqueous Rinse

## Ordering information

Product	Size	Package	Cat. No.
Acetonitrile, UHPLC-MS, Thermo Scientific	1 L	Borosilicate	A956-1
Methanol, UHPLC-MS, Thermo Scientific	1 L	Borosilicate	A458-1
Water, UHPLC-MS, Thermo Scientific	1 L	Borosilicate	W8-1
ChromaCare LC-MS Instrument Flush Solution, Thermo Scientific	1 L	Borosilicate	T111101000
	2.5 L	Soda-Lime	T111102500
ChromaCare LC-MS Aqueous Rinse, Thermo Scientific	2.5 L	Soda-Lime	T001252500
	1 L	Borosilicate	MB124-1
ChromaCare LC-MS Biologics Flush Solution, Thermo Scientific	2.5 L	Soda-Lime	MB124-212
	2.5 L	Soda-Lime	T001262500
Ammonium Formate in Methanol, 10 mM, with 0.05% Formic Acid, LC-MS, Thermo Scientific	1 L	Borosilicate	MB122-1
Ammonium Formate in Water, 10 mM, with 0.05% Formic Acid, LC-MS, Thermo Scientific	1 L	Borosilicate	MB123-1

Thermo Scientific™ LC-MS Mobile Phase Blends (Cat. No. MB122-1 and MB123-1) are suitable for detection of vitamins D2 and D3 by LC-MS.

Push the limits of detection at  
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