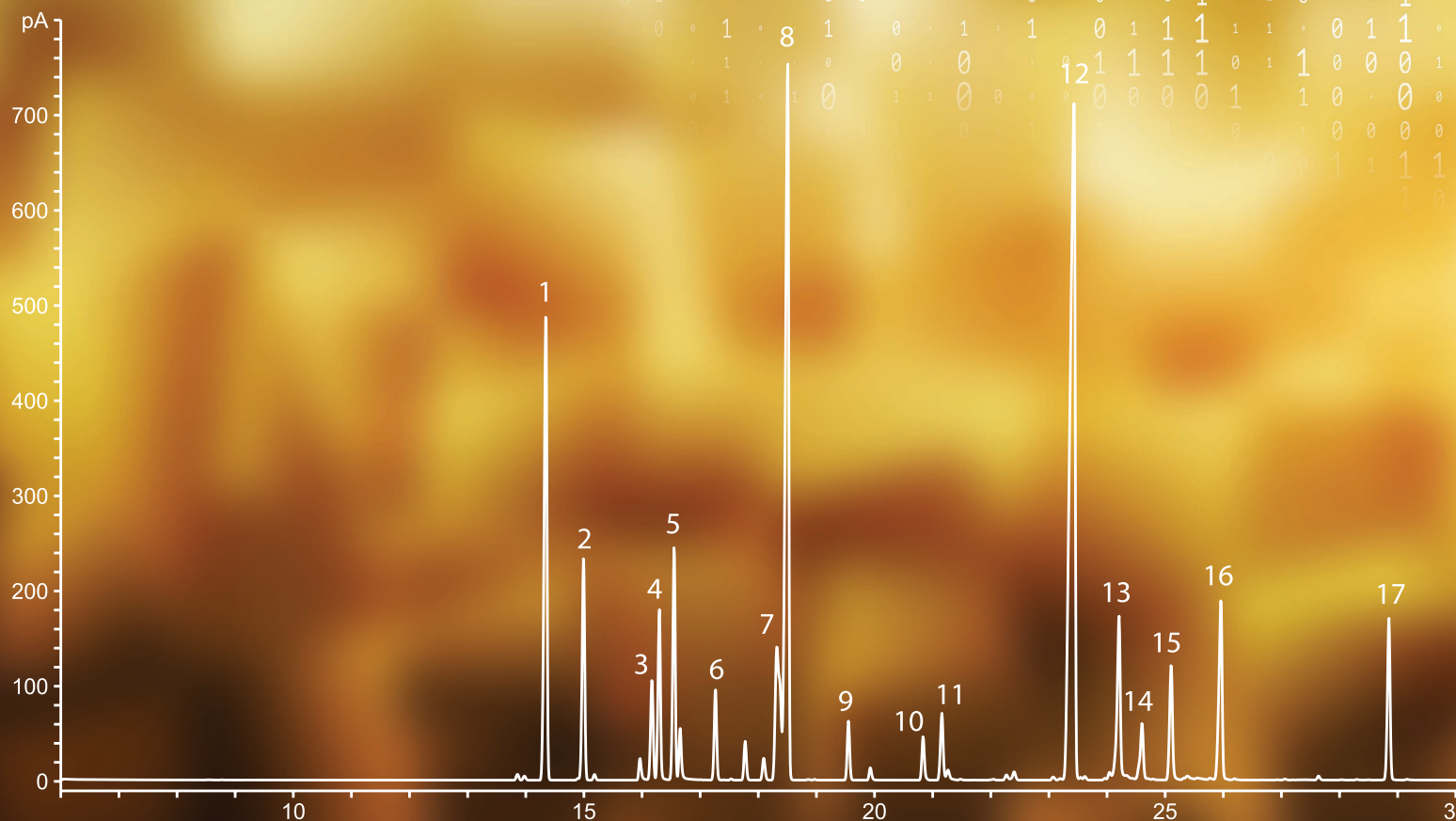


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Chemicals

# Solvents, mobile phase blends and additives

for LC/MS applications

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# UHPLC/MS

Thermo Scientific™ UHPLC-MS grade solvents are made to meet the most stringent demand for LC/MS analysis:

## Key Features

- A “sweet” cut from our distillation process with the highest purity (methanol and acetonitrile)
- Thoroughly tested with LC-UV/MS gradients for LC/MS suitability
- Packaged in borosilicate bottles to ensure extremely low leachable Na<sup>+</sup> and K<sup>+</sup> to reduce adduct formation
- No fluoropolymer liners used in caps to eliminate leachable background interfering with PFAS analysis
- Filtered at 0.1 µm



Description	Packaging	Sizes	Cat. No.
Acetonitrile	Borosilicate	1 L	A956-1
Methanol	Borosilicate	1 L	A458-1
Water	Borosilicate	1 L	W8-1

A UHPLC/MS solvent kit (Cat. No. UHPLMSKIT) is recommended for use with installation of a new LC/MS system, and kit includes

- A956-1 Acetonitrile 1 × 1 L
- A458-1 Methanol 2 × 1 L
- W8-1 Water 1 × 1 L
- T111101000 Thermo Scientific™ ChromaCare™ Flush Solution 1 × 1 L \*

\* A blend used to clean the LC/MS system flow path and consists of 25% (v/v) each of acetonitrile, methanol, water and 2-propanol (IPA).

# LC/MS solvents

Fisher Chemical™ Optima™ LC/MS grade solvents lead the industry with LC-UV/MS suitability specifications and a strict specification of low level trace metals tested by ICP-MS. For reproducible performance of your LC/MS mobile phase, choose Optima LC/MS grade products:

- Solvents
- Mobile Phases Blends
- Reagents and Additives

## Key Features

- High purity and low trace metals (tested for up to 17 elements)
- Innovative LC/UV and LC/MS gradient tests
- Filtered at 0.1 µm for acetonitrile, methanol and water



Description	Packaging	Sizes	Cat. No.
Acetonitrile	Amber Glass Bottles	500 mL, 1, 2.5 and 4 L	A955
Methanol	Amber Glass Bottles	500 mL, 1, 2.5 and 4 L	A456
Water	Amber Glass Bottles	500 mL, 1, 2.5 and 4 L	W6
2-Propanol	Amber Glass Bottles	500 mL, 1, 2.5 and 4 L	A461

# LC/MS mobile phase blends

## Simplify your LC/MS analysis with pre-made mobile phase blends.

The Fisher Chemical Optima and the Thermo Scientific branded LC/MS grade mobile phase solutions are precisely blended with consistency. The pre-made blends are ideal and convenient for routine LC/MS analysis in QC and production processes. All blends are fully tested with HPLC-UV/MS suitability for organic impurities and ICP-MS for trace metal impurities, and each lot will come with a certificate of analysis.

## Advantages

- Pre-blended and ready-to-use
- Lot-to-lot consistency
- Reduce safety risks associated with handling hazardous solvents and corrosive chemicals
- Lower overhead costs associated with preparing blends in-house
- Avoid risk of contamination

## Key Features

- Fully tested with HPLC/UV/MS gradient and ICP-MS for impurities
- Certificate of Analysis provided with each lot
- Filtered at 0.1  $\mu\text{m}$

Description	Packaging	Sizes	Cat. No.
Acetonitrile with 0.1% FA	Amber Glass Bottles	500 mL, 1, 2.5 and 4 L	LS120
Acetonitrile with 0.05% TFA	Amber Glass Bottles	500 mL, 1, 2.5 and 4 L	LS121
Acetonitrile with 0.1% TFA	Amber Glass Bottles	4 L	LS117
Water with 0.1% FA	Amber Glass Bottles	500 mL, 1, 2.5 and 4 L	LS118
Water with 0.05% TFA	Amber Glass Bottles	4 L	LS115
Water with 0.1% TFA	Amber Glass Bottles	500 mL, 1, 2.5 and 4 L	LS119
80% Acetonitrile with 0.1% FA	Amber Glass Bottles	500 mL	LS122

# LC/MS additives

We offer a series of high quality Fisher Chemical™ Optima™ LC/MS grade additives for use with LC/MS applications.

## Key Features

- High purity chemicals
- Fully tested for LC/MS suitability
- Offer acids in both ampoules and 50 mL size

Description	Packaging	Sizes	Cat. No.
Formic Acid	Poly bottle	50 mL	A11750
	Ampoules	0.5 mL, 1 mL, 2 mL, 10 × 1 mL	A117
Trifluoroacetic Acid	Glass bottle	50 mL	A11650
	Ampoules	0.5 mL, 1 mL, 2 mL, 10 × 1 mL	A116
Acetic Acid	Poly bottle	50 mL	A113-50
	Ampoules	1 mL, 10 × 1 mL	A113
Ammonium Formate	Glass bottle	50 g	A115-50
Ammonium Acetate	Glass bottle	50 g	A114-50

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