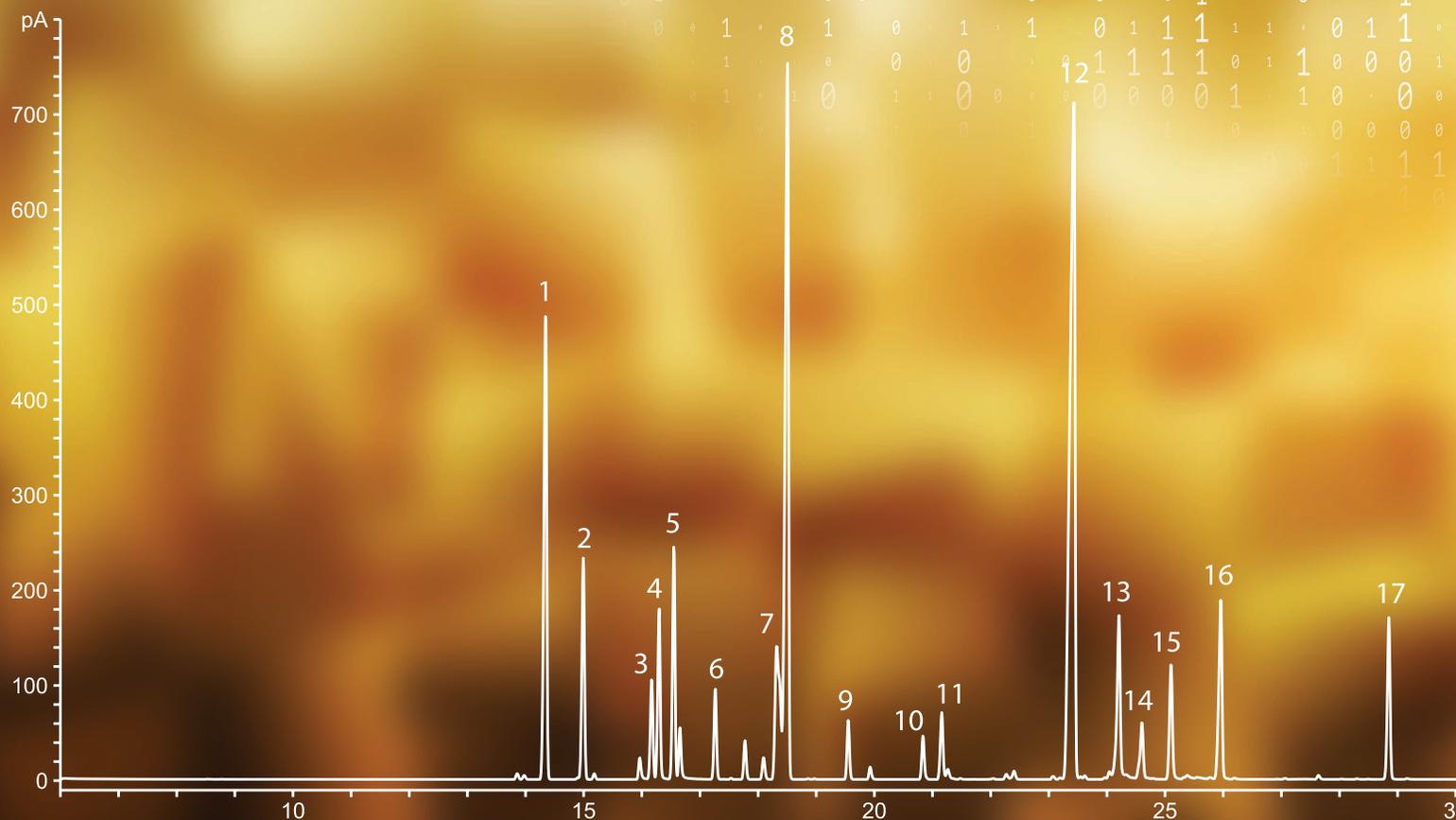


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Chemicals

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⁺ and K⁺ 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 μm

| 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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