



LC-MS products

LC-MS LC-MS combines the advantages of a chromatographic separation with mass detection by MS. Low detection limits and qualified analysis of molecular structures brought this application a new and growing popularity in the field of biotechnology, in pharmaceutical and chemical industries and many other R+D laboratories.

RIEDEL-DE HAËN has recognised that LC-MS users require the best possible performance from their systems, and is delighted to offer new LC-MS products tailor-made for our customers' requirements.

LC-MS blends

LC-MS allows the detection and quantification of many analytes. The minimisation of artefacts requires very well specified solvents spiked with ultra pure salts and acids. These additives are used to improve the chromatographic peak shape and to optimise ionisation in the MS interface. The most commonly used solvents in LC-MS techniques are acetonitrile, methanol and water. Additives can include trifluoroacetic acid, formic acid, acetic acid and ammonium acetate.

RIEDEL-DE HAËN now offers ready to use pre-blended solvents. Save valuable time and money with precisely blended solvents specified for your LC-MS requirements.

Table 1 List of most popular solvent blends

Cat. No.	Solvent Blend	Pack Size	Packaging
34978	Water with 0.1% TFA LC-MS CHROMASOLV®	2.5 L	amber bottle
34976	Acetonitrile with 0.1% TFA LC-MS CHROMASOLV®	2.5 L	amber bottle
34974	Methanol with 0.1% TFA LC-MS CHROMASOLV®	2.5 L	amber bottle
34673	Water with 0.1% formic acid LC-MS CHROMASOLV®	2.5 L	amber bottle
34668	Acetonitrile with 0.1% formic acid LC-MS CHROMASOLV®	2.5 L	amber bottle
34675	Water with 0.1% acetic acid LC-MS CHROMASOLV®	2.5 L	amber bottle
34678	Acetonitrile with 0.1% acetic acid LC-MS CHROMASOLV®	2.5 L	amber bottle
34672	Methanol with 0.1% acetic acid LC-MS CHROMASOLV®	2.5 L	amber bottle
34674	Water with 0.1% ammonium acetate LC-MS CHROMASOLV®	2.5 L	amber bottle
34669	Acetonitrile with 0.1% ammonium acetate LC-MS CHROMASOLV®	2.5 L	amber bottle
34670	Methanol with 0.1% ammonium acetate LC-MS CHROMASOLV®	2.5 L	amber bottle

Top tip

After the last run of the day wash your entire system, the solvent lines and the column with salt and acid free solvent. This will clean up your system and interface and protect it from corrosion and blockages. Flushing with pure water and then with a water/2-propanol mix will also stop bacterial growth, keeping your system clean and within specifications.

Table 2 Ready to use rinsing agent

Cat. No.	Rinsing Agent	Pack Size	Packaging
34689	Water/2-Propanol 50/50	1L	Clear glass bottle

Specifications: Acetonitrile and Methanol Blends

LC gradient testing in UV and MS, metal impurities (Na < 2 ppm, K, Mg, Ca < 0.5 ppm), UV-transmittance, additive content: 0.093-0.107 TFA, FA, AA (v/v), ammonium acetate (w/v). Solvent content: (GC): > 99.0% (Cat. No. 34669 – acetonitrile with 0.1% ammonium acetate: solvent content (GC) >98%)

Specifications: Water blends

LC gradient testing in UV and MS, metal impurities (Na < 2 ppm, K, Mg, Ca < 0.5ppm), UV-transmittance, additive content: 0.093-0.107 TFA, FA, AA (v/v), ammonium acetate (w/v), pH: effective +/- 0.1

Ordering Information

Contact your local office for pricing and ordering information.
For online ordering please click on
www.sigma-aldrich.com/order

Are you looking for an LC-MS column?

Please visit www.sigma-aldrich.com/lc-ms-columns

Do you want to know more about LC-MS products?

Please visit www.sigma-aldrich.com/lc-ms-solvents

Contact

Can't find what you are looking for?
Contact us for a quote on custom made blends,
package sizes or aqueous buffers. We'll be glad to help:

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