

UHPLC-MS Solvents tested for PFAS analysis according to EPA 533 and EPA 537.1 methods

PFAS testing becomes one key emerging area due to major increases in regulation and legislation. There is a growing focus on eliminating PFAS background and contamination. Reliable and effective testing is a needed criteria to facilitate identification and quantitation of PFAS analytes. Testing laboratories need consumables not contributing to noise and/or interferences that may lead to false positive or false negative results in their LC-MS/MS analysis.

We are pleased to introduce new ultra-high purity solvents for sensitive analyses (low ppt range) of PFAS analytes using authority defined LC-MS/MS methods. The new products will help to reduce background interference for the defined methods. These new solvents will not contain any of the PFAS compounds above the LCMRLs defined by the EPA 533 and EPA 537.1.

Product Table

Product Number	Product Description	Size
EM1047261000	LiChrosolv® Acetonitrile tested for EPA 533 and EPA 537.1 PFAS Methods	1L
EM1047321000	LiChrosolv® Methanol tested for EPA 533 and EPA 537.1 PFAS Methods	1L
EM1047351000	LiChrosolv® Water tested for EPA 533 and EPA 537.1 PFAS Methods	1L



PFAS Testing Features:

- QC batch tested on 29 PFAS analytes according to EPA 533 (25 analytes) and EPA 537.1 (18 analytes)
- Lot to lot consistency: Multiple batches validated by a third-party accredited testing laboratory and internal laboratories

LC-MS/MS Suitability and Ultimate Benefits:

- ESI/APCI (+) < 2 ppb; ESI/APCI (-) < 10 ppb
- Lowest impurity profile for interference free baseline
- Borosilicate glass bottles minimized contamination with metal ions
- Lowest levels of trace metal impurities: for minimized metal ion adduct formation < 5 ppb
- Microfiltration through 0.2 µm filter

None of the 29 PFAS analytes tested by EPA method 533 and/or 537.1 have been identified at concentration levels above the EPA defined lowest concentration minimum reporting levels (LCMRL's).

