

## Add 10 micro molar EDTA to Mobile Phase for Better Peak Shapes - Tips & Suggestions

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### Improve Peak Shapes in LC-MS: Add 10 $\mu$ M EDTA to the Mobile Phase

Poor peak shapes—especially for polyprotic acids and nucleotides—can often be traced back to metal contamination. These metals may leach from:

- Glass solvent bottles
- Autosampler vials
- Internal components of the LC-MS system

The extent of this issue can vary significantly between instruments, so it's important to identify the specific source of peak distortion in your setup.

### Suggested Solution

To mitigate metal-related peak tailing or distortion, consider adding 10  $\mu$ M EDTA to your mobile phase when using Cogent TYPE-C HPLC columns. These chelating agents can bind trace metals, improving peak symmetry and reproducibility.

*Note: Always verify compatibility with your method, column and instrument before modifying mobile phase composition.*



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**MicroSolv Technology Corporation**

9158 Industrial Blvd. NE, Leland, NC 28451

Tel: (732) 380-8900

Fax: (910) 769-9435

Email: [customers@mtc-usa.com](mailto:customers@mtc-usa.com)

Website: [www.mtc-usa.com](http://www.mtc-usa.com)