

## Buffer is not eluting out of the Zero Flow capillary is the capillary defective - FAQ

Zero Flow™ Capillaries supplied by MicroSolv are designed to be Electro-Osmotic-Flow (EOF)-free. This is due to a covalently bonded inner coating that eliminates surface hydroxyl group **activity** responsible for bulk flow or EOF. Therefore it is normal to observe “no **eluent**” of **buffer** or any liquid even at high voltages. This can be beneficial because uncontrolled EOF is known to contribute to a lack of **robustness** in **CE**.

NOTE: When **conditioning** the capillary, pressure may be used to push **buffer** through the capillary. In this case, you will see **buffer** coming out. If not, then there is likely a blockage in the capillary which is an issue so please contact our customer service department at [customers@mtc-usa.com](mailto:customers@mtc-usa.com) or call us 1-732-380-8900 between 9:00AM and 5:30PM EST.

Movement of the Cationic or Anionic analytes through the capillary from inlet to electrode is due to their electro mobility only and EOF is not involved.



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