

## Measuring Pump Flow Accuracy in HPLC - How to


Date: 7-APRIL-2012 Last Updated: 5-JULY-2025

### How to Measure Pump Flow Accuracy in HPLC – A Simple Guide

To check the flow accuracy of your HPLC pump at 1.0 mL/min, follow this straightforward method:

1. Use a clean, dry 5 mL volumetric flask.
2. Use a calibrated stopwatch to time how long it takes to collect 5 mL of mobile phase at the set flow rate.

*NOTE: This quick check is a basic verification step and is NOT a substitute for a full operational qualification (OQ), which typically involves testing multiple flow rates. Instead, this method helps confirm that your pump is suitable for performing Performance Qualification (PQ) tests as outlined in the Chemical Solutions PQ Kit™ and HSQ Kit™ protocols.*

 Click [HERE](#) for PQ Kit™ and HSQ Kit™ Ordering Information.

Printed from the Chrom Resource Center

Copyright 2025, All Rights Apply

**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)