

LC Passivation Solution

cat.# 32475

Restek's LC passivation solution (cat.# 32475) should be used to passivate your LC system before your first analysis if you:

(a) are analyzing phosphorylated compounds or other polar molecules known to chelate or interact with metal ions in your LC (e.g., glyphosate);

and also

(b) have stainless steel in your instrument flow path;

and/or also

(c) your LC column hardware is showing activity towards phosphorylated compounds or other polar molecules known to chelate.

LC System Passivation Instructions

1. Uninstall your LC column and guard column.
2. Install a union and tubing where your column had been. Divert the tubing to a waste collection container—do not flow through your detector.
3. Set your mobile phase flow rate to 0.4 mL/min and mobile phase composition to 50% B.
4. Make 10 full loop injections of the passivation solution. (Note: On-column large volume injections of passivation solution may negatively impact data quality.)
5. After the final full loop injection, allow the mobile phase to flow for one additional minute so the passivation solution can pass completely through your LC flow path.
6. Stop the mobile phase flow and reinstall your LC column and guard column.
7. Remaining solution can be stored according to the instructions on the product label or used to passivate other instruments.

LC Column Passivation Instructions

1. Install your LC column and guard column.
2. Divert the tubing to a waste collection container—do not flow through your detector.
3. Make five 2 μ L injections of the passivation solution using your analytical method conditions.
4. Remaining solution can be stored according to the instructions on the product label or used to passivate other instruments.

Questions about this or any other Restek product? Contact us or your local Restek representative (www.restek.com/contact-us).

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