



PolyLC INC.

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Instructions for Direct Guard Cartridges

Direct guard cartridges can be hand-tightened into the 10/32 internal threads of PolyLC's HPLC columns with minimal torque from a 3/8" wrench.

The guard cartridge is shipped stored in methanol and should be flushed with deionized water:

10 x 1.0mm	1mL @ 0.05mL/min	20 x 1.0mm	2mL @ 0.05mL/min
10 x 2.1mm	2mL @ 0.25mL/min	20 x 2.1mm	4mL @ 0.25mL/min
10 x 4.0mm	4mL @ 1 mL/min	20 x 4.0mm	8mL @ 1 mL/min

The guards should then be conditioned in the same manner as the column it will be used with prior to use.

Store the guard cartridge in water and in the refrigerator. If microbial growth is a concern, then store the guard in 1) 1:1 (v/v) methanol:water, 2) 1:1 (v/v) acetonitrile:water, or 3) 1:1 (v/v) isopropanol:water.

Higher levels of organic solvent are not recommended for storage of the guard. If this is done nevertheless, then the guard should subsequently be reconditioned as if it were new when it's used next.

To prevent the guard cartridge from drying out when not in use, seal with the cap and plug.