

CATLLARY™ COLUMN INSTRUCTIONS

The Column Kit:

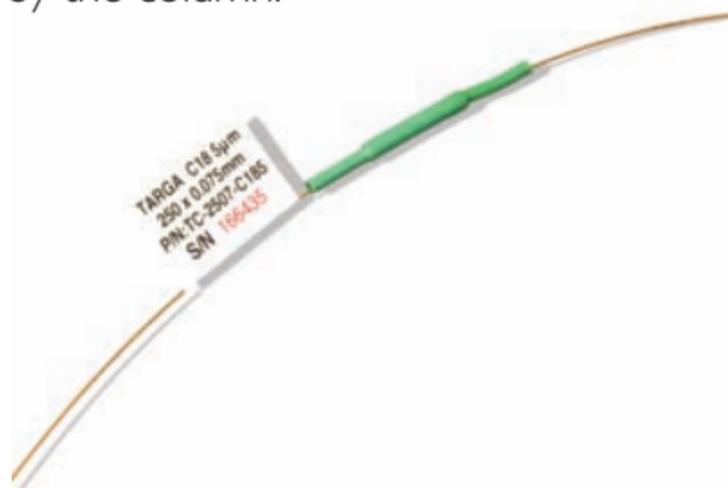
This package contains these instructions, a white ceramic cutter, a Caπllary™ 75 or Caπllary™ 150 column, and a *Certificate of Analysis*. Carefully cut the clear plastic sleeve, grasp the green section, and gently pull out the capillary column.



Caπllary™ Column Design:

The HPLC column section of the assembly has the product label with a small flow direction arrow attached to it. If you remove the label, be careful to note the section it was attached to. Pumping the column in a reversed flow direction will destroy it.

The frit is in the center of the reinforced green section in the middle of the assembly. Do not attempt to remove this section or attempt to disassemble the column by pulling hard on both capillary ends. Doing so will destroy the column.



Cutting and trimming a Caπllary™ Column:

Caπllary™ columns are nominally 25cm in length. Unless the capillary is going to be used in its full length, the white ceramic cutter is used to cut the column to the required size. Measure from the frit in the center of the green section. This technique can also be useful for removing a short section from the column inlet if it becomes contaminated or plugged. Similarly, the column outlet can be trimmed to a proper length before attaching it to the post-column device.



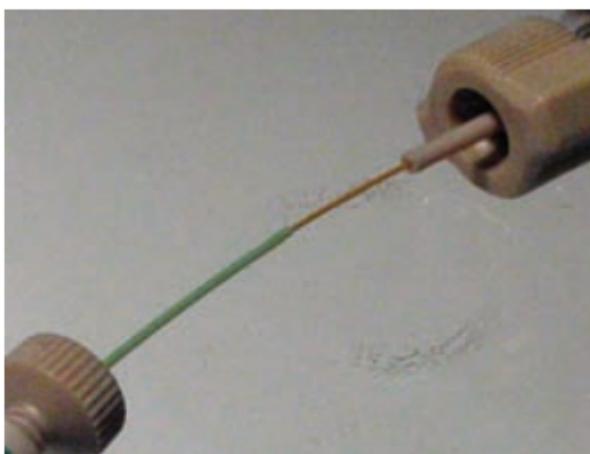
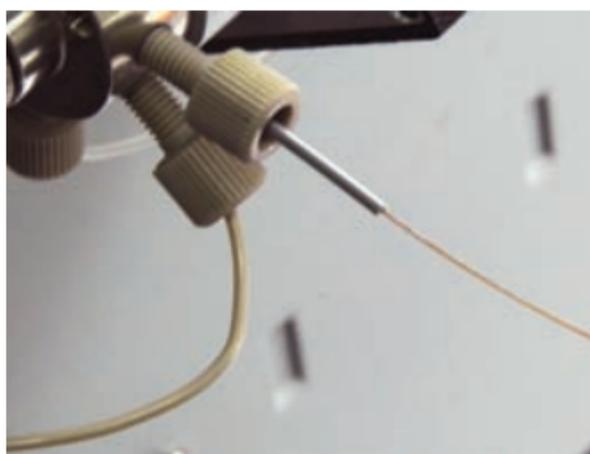
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Additional Notes on Cutting Capillaries:

Support the capillary with a finger as illustrated in the bottom figure on the other side. Hold the cutter at a 45 degree angle and place it on the capillary where it will be cut. Use a single, moderate weight stroke to lightly score the polyimide coating, perpendicular to the length. Don't use a sawing motion or attempt to make a cut around the capillary circumference. Grasp the capillary on each side of where it was scored and flex it towards the score.

Plumbing Considerations:

The Caπllary™ 75 and Caπllary™ 150 columns have standard 360µm outer diameters which can be conveniently plumbed to HPLC systems in a wide variety of manners. The optional Higgins *Micro Column Connection Kit (PIN MIC-KIT)* includes sleeves and finger-tight bushings to facilitate capillary column attachment to most injection valves, detectors, and MS source inlets.



Caπllary™ is a trademark of Higgins Analytical, Inc.

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