

Single-column source for capillary and nanoLC-MS

PST-MS-Thermo: Compatible with Thermo mass spectrometers

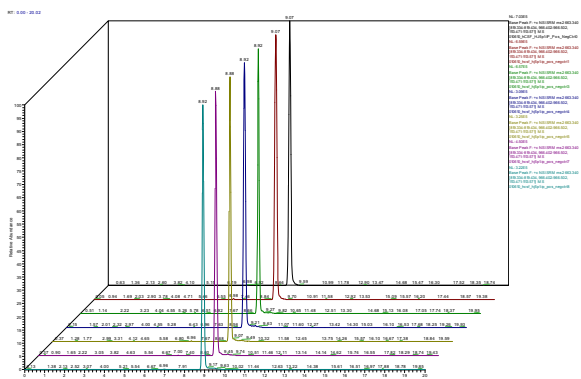


PST-MS-Thermo

- Column holder with rotatable spray head for optional off-axis spray
- Built-in sheath gas nozzle to allow 100 nanoliters/min to 10 microliters/min flow rate range.
- Spray voltage is supplied through an insulated block housing the liquid junction union or Tee.
- 3-D positioning system with large travel ranges
- Sprayview Imaging system with light, monitor and digital display software
- Optional cover

Upgradable to the Nimbus Dual-column Automated Nanospray Source

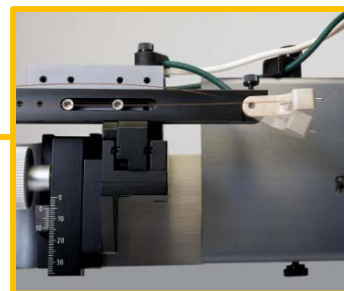
PST-MS Thermo is compatible with Phoenix S&T's column heater for capillary column or Butterfly Portfolio heater for conventional column as well as trap column.



12-second peak retention time drift over 3 days-Data were taken with a PST-MS-Thermo and PST-CH-15U. We thank K. Mawuenyega, PhD, for the data.



PST-MS-Thermo with the "pencil" heater (PST-CH-15U) for fused silica capillary columns



Rotatable spray head for easy insertion of spray emitter or for off-axis spray

NEW! eFrit™

Fritted capillary for packing columns

- requires less run pressure,
- allows packing of longer columns and use of sub-3 micron particles while using a standard nanoLC pump.
- Embedded frit is positioned throughout the narrow-bore region of the laser-pulled tip to enable even packing, eliminating high pressure due to packing of particles into the constriction of the laser-pulled tip.
- Narrowest bore of the taper is packed with porous frit, delivering excellent spray characteristics with minimal clogging.

PST-LC75-eFrit 75 µm i.d. 360 µm o.d, 40-50 cm long capillaries for packing columns. 4 Capillaries/box

PST-eFrit-xxTip xx = 20-25, 50 or 75 µm i.d, 360 µm o.d, 6.4 cm length nominal as nanospray emitters. Other lengths may be specified when ordering. Four emitters per box.

Polytips for Quality Control

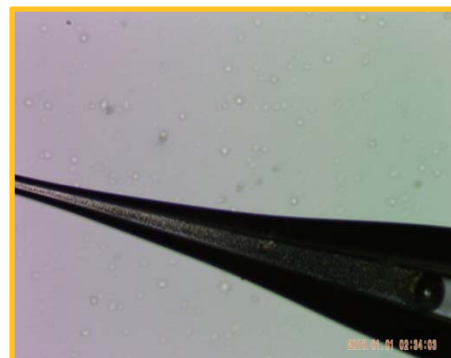
- Nanospray emitters with a fritted end which is tapered only on the outside
- Long lasting and tip morphology remains stable over at least several months.
- Not recommended for nanoLC but excellent for direct infusion

PST-50polytip, PST-75polytip: 50 or 75 µm i.d, 360 µm o.d., 4 emitters/ box. Please specified lengths.

Elite® Chromatographic resins and packed columns

Large collection of chromatographic particles

- High surface area, total coverage, fully encapped
- 1.7 µm, 1.8 µm, 3 µm, 4 µm and 5 µm
- C18, C8, C4, HILIC and many more
- Packed columns are Elite resins are also available. Please contact us to inquire.



eFrit emitter with an embedded frit.

