

Unmatched Sensitivity, Non-Clogging Nano-microspray Emitters

PST-mTip

The patent-pending new metal emitters made of a passivated stainless material have exceptional spray qualities:

- High sensitivity cone-jet mode spray over an extremely wide flow-rate range: from 100 nanoliters/min to 30 μ L/min – suitable for both nanospray and microspray
- Extraordinarily stable positive and negative ion sprays through the entire buffer gradient from near 100% aqueous to high organic. Each emitter is individually tested before shipment.
- Non-clogging – tapered only on the outside
- 20x higher sensitivity than conventional ESI and 2x the sensitivity of fused silica spray emitters
- Robust, long-lasting metal tips not easily damaged

Model numbers:

PST-mTip-25-xx, xx=5 or 11 cm. 25 μ m i.d., 360 μ m o.d.
PST-mTip-50-xx, xx=5 or 11 cm. 50 μ m i.d., 360 μ m o.d.
Please contact us about custom lengths.

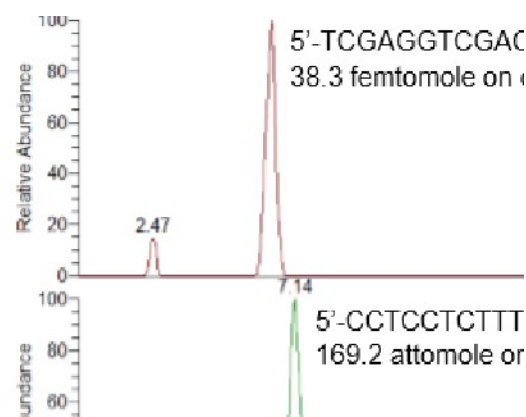
PST-noztip

- 20 μ m i.d, 50 μ m o.d.
- Forms liquid-tight junction with a 360 μ m o.d. fused silica capillary without fittings
- Supplied with PST tapered fused silica support which reduces the dead volume at the tip opening to < 2 nL.
- Large flow-rate range, <25 nL/minute to > 1 μ L/minute
- Patented plastic nozzle manufactured by ground-breaking micromolding technology
- Inert polypropylene and the relatively large nozzle opening minimizes molecular adsorption on the surface of the spray tip to prevent clogging

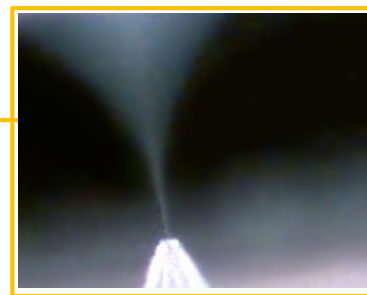
Model Number: PST-nozzle-xx, xx=5 or 10 cm.
Please contact us about custom lengths.

Ordering Information:

(610) 876.6081 info@phoenix-st.com www.phoenix-st.com



Capillary LC-MS of 2 oligonucleotides, 200 ng/mL each, PST-mTip-50 emitter. We thank H-K Lim, Janssen Pharmaceuticals, for the use of these data.



A SureSpray™ nanospray nozzle shown with a tapered capillary to eliminate dead volume.