

## 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:

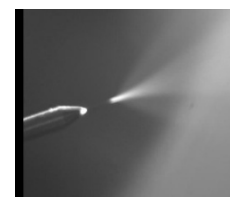
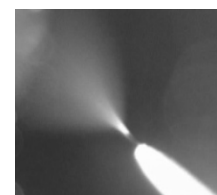
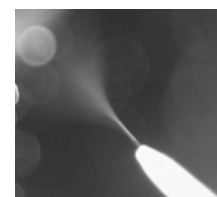
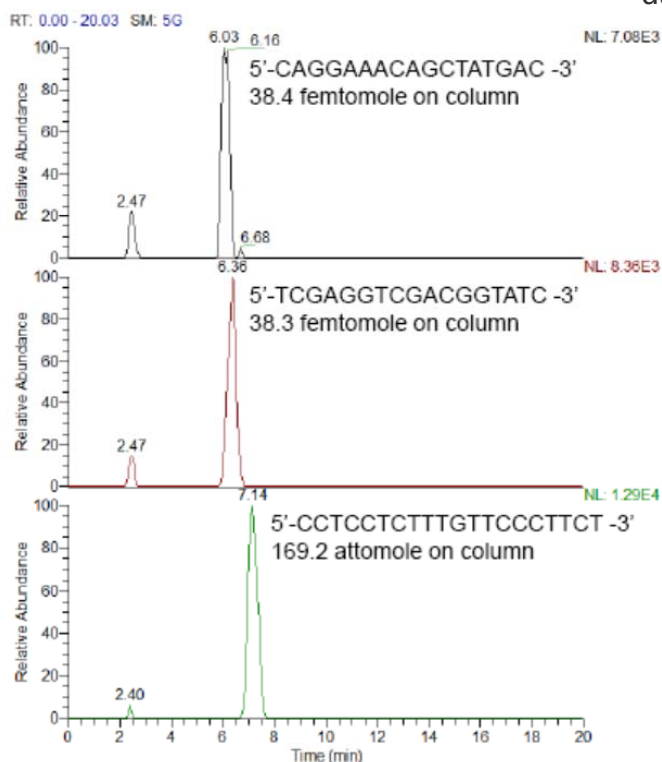
- High sensitivity cone-jet mode spray over an extremely wide flow-rate range: from 100 nanoliters/min to 30  $\mu\text{L}/\text{min}$  – suitable for both nanospray and microspray

- 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



PST-mTip-50: Extremely stable spray for methanol from top: 3  $\mu\text{L}/\text{min}$ , 8  $\mu\text{L}/\text{min}$  and 26  $\mu\text{L}/\text{min}$

We thank H-K Lim, Janssen Pharmaceuticals, for the use of these data obtained with the PST-mTip-50  
-2 KV, 97% aqueous beginning gradient., Capillary LC/MS separation of 3 oligonucleotides, 200 ng/ML, 5  $\mu\text{L}/\text{min}$

#### Model numbers:

PST-mTip-25-xx, xx=5 or 9.8 cm. 25  $\mu\text{m}$  i.d., 360  $\mu\text{m}$  o.d.

PST-mTip-50-xx, xx=5 or 9.8 cm. 50  $\mu\text{m}$  i.d., 360  $\mu\text{m}$  o.d.

Please contact us about custom lengths.

Phoenix S&T, Inc., Copyright 2018.

#### Ordering Information:

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