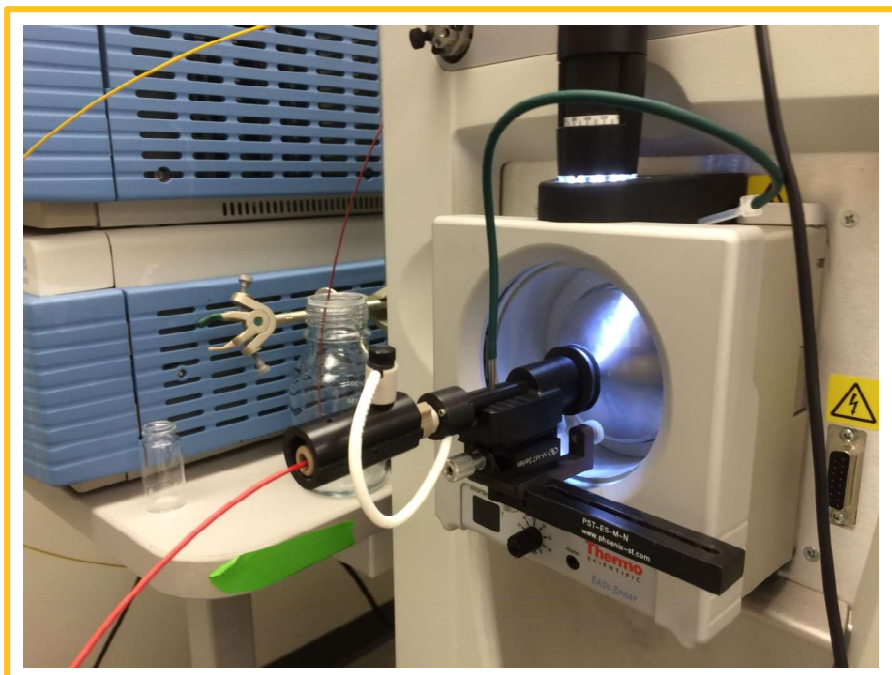
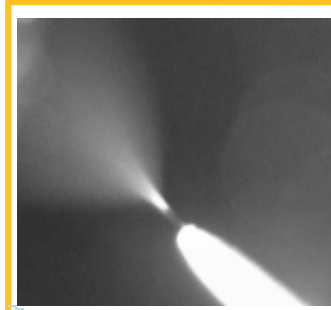


Negative ion spray Microspray

Made **EASY**

Superb Sensitivity, Plug and Play



Microspray-nanospray source Insert for the Thermo Easy-Spray source:

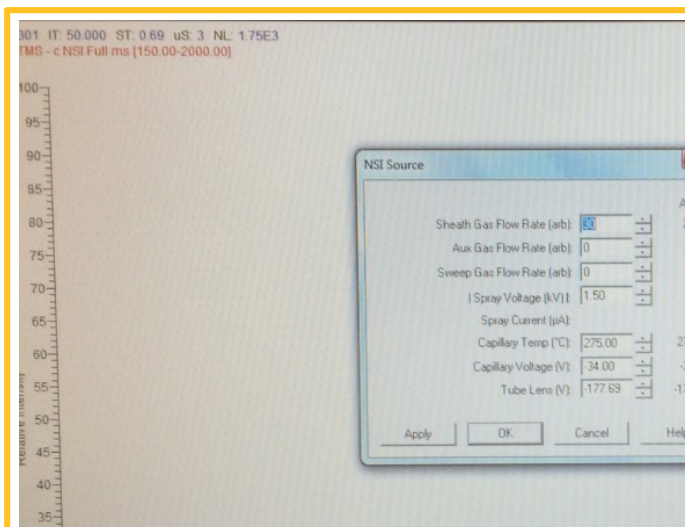
Includes:

Sheath gas conversion kit

Source insert with adjustable sheath gas nozzle to optimize the distance between the sheath gas outlet and the spray emitter opening

Designated source inserts for various applications: calibration, microLC/MS, direct infusion, etc.

Model number: PST-ES-M-N



Direct Infusion :5 µL/min, -1.5 KV
2 ng/ml Large oligonucleotide (multiply charged) in water and 3% ammonium acetate

We thank H-K Lim, PhD, of the Janssen Research Lab, Johnson & Johnson, Springhouse, PA for collaboration and the permission to use the data and picture.

- Metal emitter sprays sub-µL/min to over 30 µL/min
- Negative and Positive ion sprays are equally stable and robust
- Entire range of buffer compositions from 100% aqueous to 100% organic
- Plug and Play in the Thermo Easy-Spray source
- Non-clogging spray emitter – no narrow-bored region
- Sheath-gas capable

PST-MTIP -xx, xx= 25, 50 or 75 µm i.d. metal spray emitter

The spray image above was from a PST-MTIP-50 spraying MeOH unassisted at 8 µL/min and at 2 KV

The Easy Spray source is a Thermo product.

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:

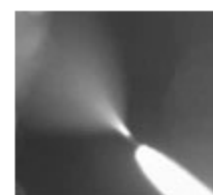
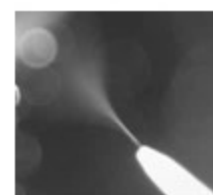
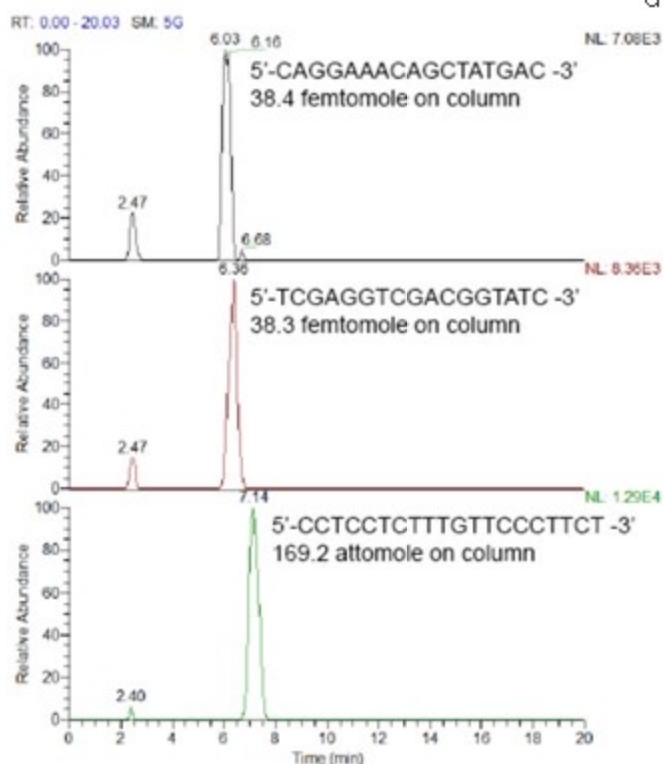
- High sensitivity cone-jet mode spray over an extremely wide flow-rate range: from 100 nanoliters/min to 30 μ L/min – suitable for both nanospray and microspray

- 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



PST-mTip-50: Extremely stable spray for methanol from top: 3 μ L/min, 8 μ L/min and 26 μ L/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 μ L/min

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.

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Ordering Information:

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