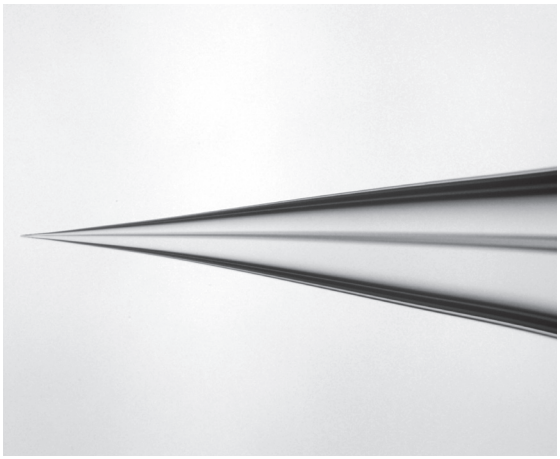
FOUNDATION™
PICOTIP POWERED®

GLASSTIP PICOTIP



SPECIFICATIONS

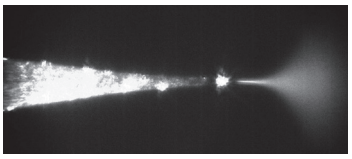
5 cm long tips with multi-layer conductive coating for long-lasting performance. Also available uncoated. For single use offline nanospray and lowflow
applications, ready to use right out of the box. No cleaving required. Flow range 40–100 nL/min.

Part Number
BG12-94-4-CE-20
Description
GlassTip, 1.2 mm OD, 0.94 mm ID, 4 µm tip, coated (conductive), 20 per box

Part Number
BG10-78-4-CE-20
Description
GlassTip, 1.0 mm OD, 0.78 mm ID, 4 µm tip ID, coated (conductive) 20 per box

FEATURES

- **Optimized:** Rugged, reproducible sample delivery method for offline nanospray
- **Compatible:** Manufactured using the highest-grade borosilicate glass for MS compatibility
- **Self-Filling:** No additional set-up (e.g. pump, pressure) or steps (centrifuge) required
- **Easy:** Ready to use right out of the box
- **Simplified:** Precision made tip opening eliminating need to break open tips prior to use
- **Robust:** Durable, inert multilayer conductive coating for robust and reproducible results
- **Reliable:** Rigorous video inspection ensuring consistent tip geometry
- **Reproducible:** Stringent tip specifications provide consistent spray characteristics and reduced variability run-to-run, operator-to-operator
- **Flexible:** Available in 1.0 mm and 1.2mm OD for easy integration into your current source hardware
- **Performance:** Rigorous video inspection producing the highest performance emitter on the market



APPLICATION: OFFLINE ANALYSIS

Offline analysis is characterized by the analysis of a discrete sample where flow is generated by electrostatic attraction of the liquid inside the emitter which has been charged by high voltage. Samples are clean, simple analytes that are loaded into the emitter using gel-loader pipette tips. Typical operating voltage ranges 600 to 1600 volts.

NEW OBJECTIVE
BRING ELECTROSPRAY TO LIFE

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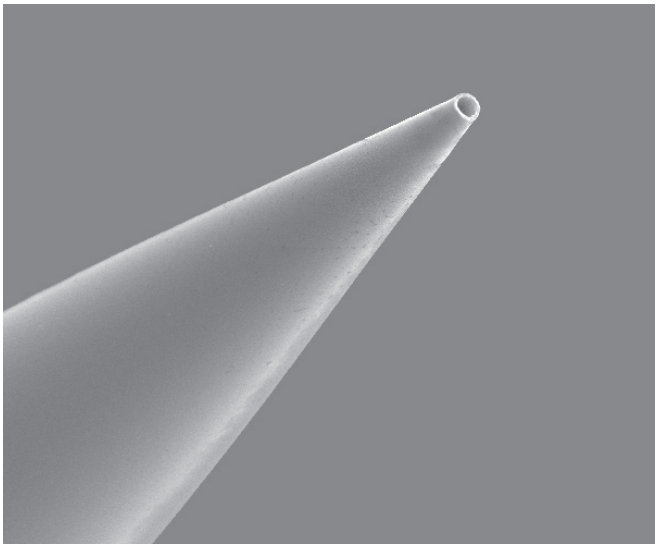
GLASSTIP
PICOTIP

NATIVE PROTEIN ANALYSIS

- **Preserves native protein conformation**
- **Compatible with physiological buffers for native protein analysis**

MOVE UP FROM BREAK TO OPEN STATIC NANOSPRAY EMITTERS!

Make your system robust and reliable and see immediate improvements in your throughput. Our GlassTip emitters are built to perform consistently, so you can process more samples, get more reproducible data, and meet your goals faster. Reliability isn't just a feature — it's your path to higher productivity.



FEATURES

- Reproducible: Stringent tip specifications provide consistent spray characteristics and reduced variability run-to-run, operator-to-operator
- Reliable: Every emitter is measured and validated using rigorous video inspection ensuring consistent tip geometry.
- Ready To Use: Manufactured with open tip– no breaking to open
- Robust: Multilayer conductive coating for stable spray and long analysis times
- Flexible: Compatible with Thermo Fisher Scientific™ source hardware

"This lower flow rate ESI, termed nanoESI [35], is highly advantageous for native MS analysis because of its low sample consumption, more uniform response factors, and higher tolerance to salts and buffers. Thus, nanoESI is now by far the most commonly used ionization method in native MS."

—Leney, A.C., Heck, A. J. R.: Native Mass Spectrometry: What is in the Name?
J. Am. Soc. Mass Spectrom. 28, 5-13 (2017)

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