

Nanospray emitters | Trajan CB Emitters

Intended use	Trajan CB emitters are optimized for high resolution with extended life in a wide variety of mass spectrometry applications and workflows. Trajan CB emitters (ID: 10 µm and 20 µm) are designed specifically for low flow applications and have been tested extensively under typical proteomics conditions.
Product	- Trajan emitters are compatible with common mass spectrometry workflow conditions including operating voltages, flow rates, and solvents. - A variety of lengths, tip geometries, internal diameters, and metal-coating options are available to best suit your specific workflow requirements and instrument configurations.
Precautions	- Caution should be taken to avoid injury (especially to the eyes) when working with fused silica (quartz). It is recommended to use safety glasses and avoid unnecessary bending or breaking of the fused silica. - In the event of an emitter breakage or emitter replacement, observe local requirements for disposal of 'broken glass'. - Narrow bore emitters can lead to higher back-pressure in the system if partial blockages occur; be careful not to over-pressurize the system as the emitter may dislodge from the fitting/connection. - Overtightening of the fused silica emitter can cause fractures, leading to higher risk of dead volume and instrument contamination.
Storage instructions	- Packaging should be stored at room temperature and ideally in a clean environment - Recommended to close the packaging lid when not actively retrieving an emitter to avoid contamination of the emitters with airborne dust and debris.
Compatible instruments	- See website for instrument compatibility information. - It is recommended to only use emitters that correspond to the instrument to avoid instrument damage and/or poor results.
Quality Management System	Manufactured in a certified ISO 9001 environment.

Technical data	
Material	Fused silica (quartz) with polyimide coating
Cutting method	Precision cleaved
Outer diameter (OD)	360 µm ±10 µm
Inner diameter (ID)	10 µm ±2 µm 20 µm ±2 µm
Tip angle	13° ±1°
Emitter length	Available in 40 mm, 50 mm, and 62.5 mm. Custom lengths are also available on request between 30 mm to 75 mm.
Coating options	Uncoated, gold tip coated or gold distal coated
Coating length	40 mm
Pack size	5
Pack dimensions	Plastic storage box: 78 mm x 75 mm x 17mm Outer box: 146 mm x 139 mm x 29 mm
Disposal	Refer to local regulations for disposal in an approved waste disposal facility or service. Please recycle the packaging where possible.

For more information about this product visit www.trajanscimed.com/emitters or contact techsupport@trajanscimed.com