

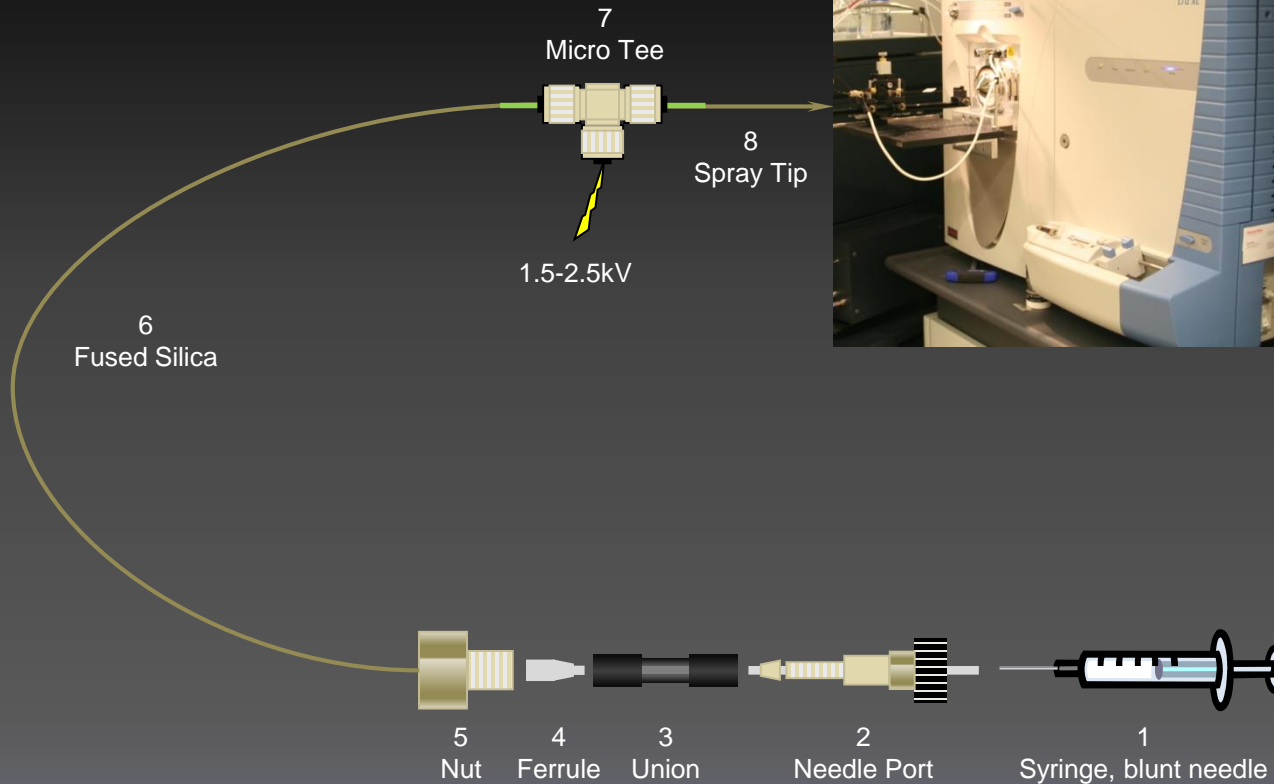
# Direct Infusion Line for MS analyses

Use with nano spray source to:

- Tune and calibrate the mass spectrometer (not recommended for multiplier gain calibrations on Thermo ion trap instruments)
- Analysis of samples via direct infusion



MS  
Nano Spray  
source



Syringe pump  
1-5  $\mu$ /min

# Parts list

Item #	Part number	Description	Vendor
1	14-813-138	Hamilton Series 1700 Gastight* Syringes, Fixed needle; Blunt; Model 1750; 100uL	ThermoFisher Scientific
	14-813-140	Hamilton Series 1700 Gastight* Syringes, Fixed needle; Blunt; Model 1750; 250uL	ThermoFisher Scientific
	14-813-142	Hamilton Series 1700 Gastight* Syringes, Fixed needle; Blunt; Model 1750; 500uL	ThermoFisher Scientific
2	03-052-374	Needle Port, Rheodyne®, PEEK™	ThermoFisher Scientific
	9013	Needle Port, Rheodyne®, PEEK™	Idex (Upchurch)
3	P-742-01	UNION BODY, WEBBED, 1/16 IN, 10-32, .010 IN (.25mm) THRU HOLE, PEEK™	Idex (Upchurch)
4	F-151	PCTFE Fingertight Ferrule 10-32 Coned, for 360µm OD	Idex (Upchurch)
5	F-300	NUT, FINGERTIGHT, 1/16 IN, 10-32, WINGED, WITH FERRULE, PEEK™	Idex (Upchurch)
6	1068150019	Polymicro Flexible Fused Silica Capillary Tubing, Inner Diameter 75µm, Outer Diameter 375µm, TSP075375	Molex / Fisher
7	P-875	MICROTEE, WITH MOUNTING HOLE, FOR .025 IN OD TUBING SLEEVES, PEEK™	Idex (Upchurch)
8		Pulled tip, fused silica 75 µm ID x 360 µm OD, tip opening 5-30 µm	
	FS360-75-30-N-5	Silica Tips, 5 cm long tips without coating for use with junction-style high-voltage contact.	New Objective

NOTE: This table lists examples, all the parts can easily be substituted