

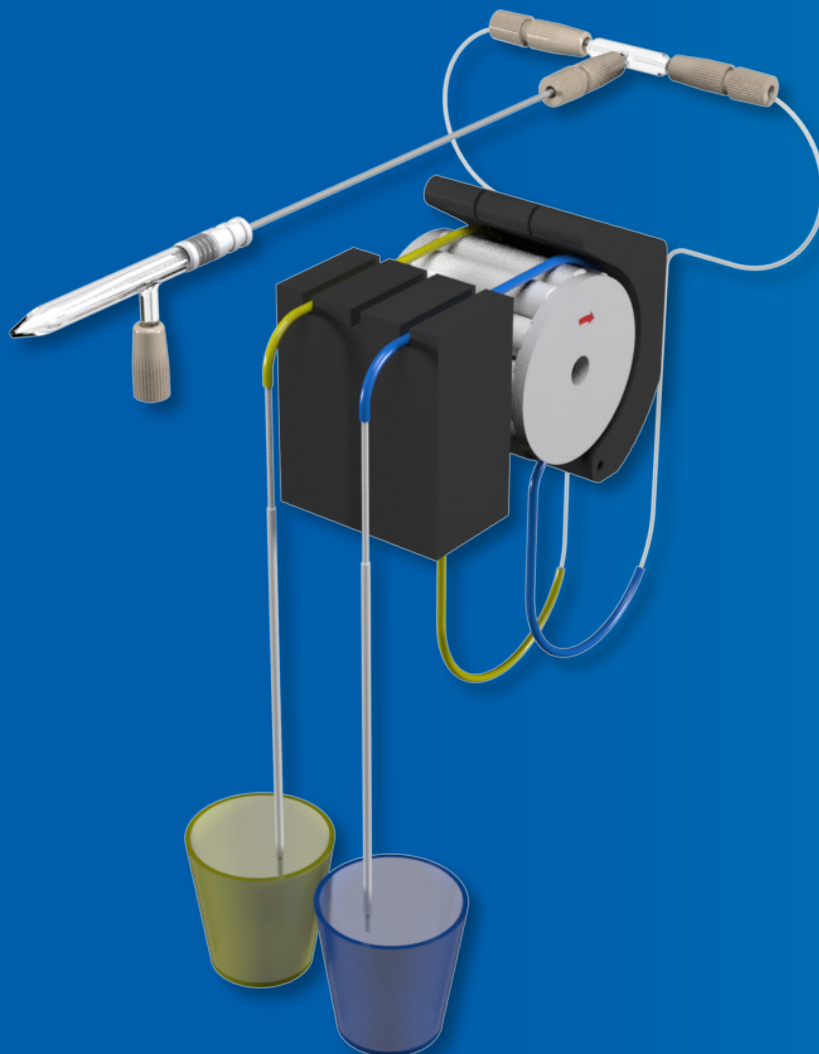


GLASS EXPANSION

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Instructions for the Trident CT Internal Standard Kit

Part Number 60-703-1179

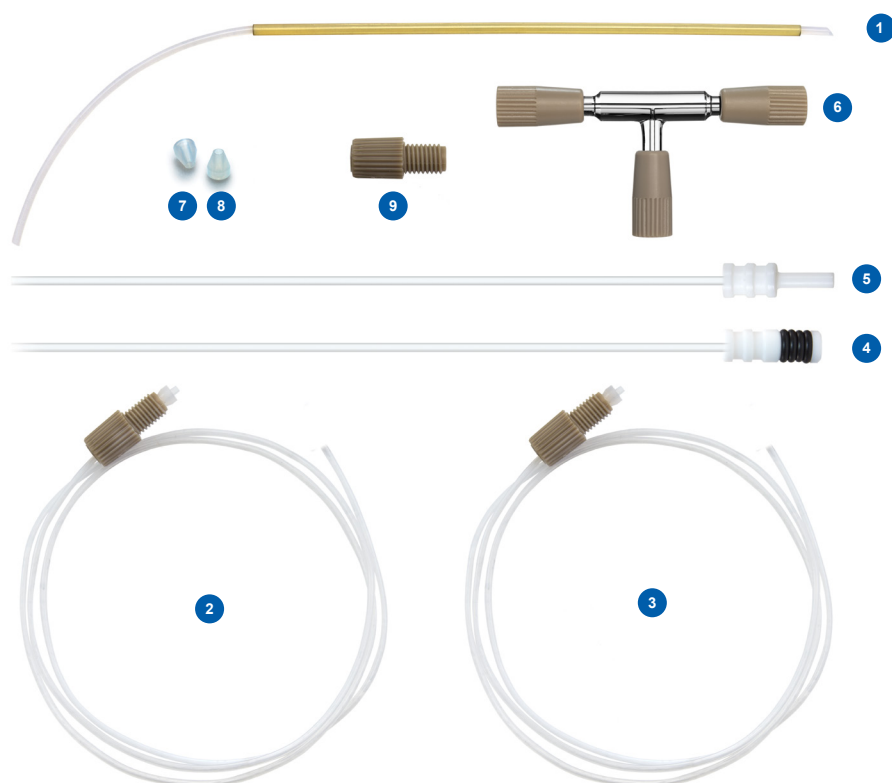


INS-0538

Trident CT Internal Standard Packing Kit

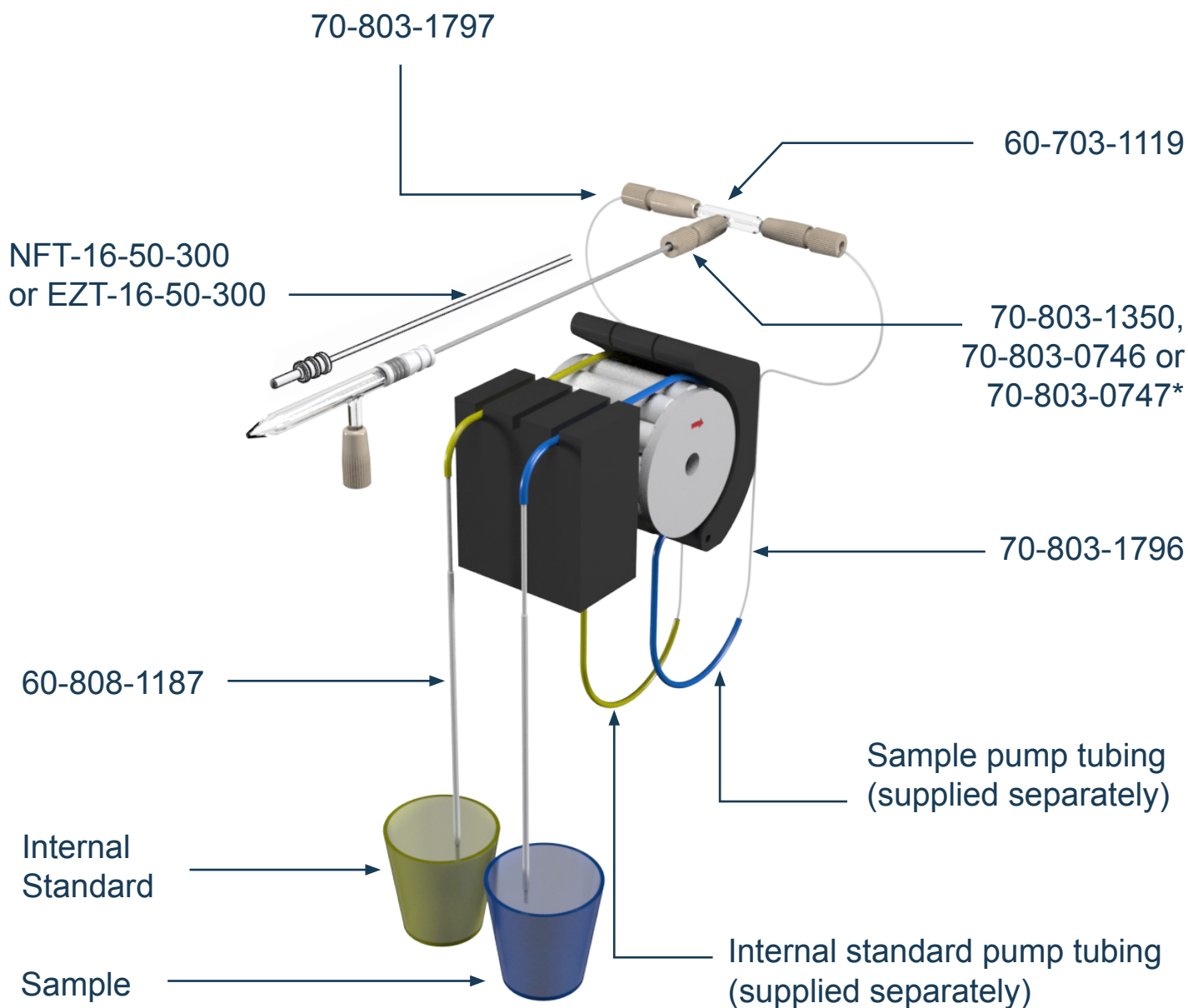
Item no.	Part Number	Description	Qty
1	60-808-1187	Internal standard probe	1
2	70-803-1796	Connector sample tube 0.5mm ID	Refer note 1
3	70-803-1797	Connector Internal Standard (IS) tube 0.25mm ID	Refer note 2
4	NFT-16-50-300	UniFit nebulizer sample tube	Refer note 3
5	EZT-16-50-300	EzyFit nebulizer sample tube	Refer note 4
6	60-703-1119	Trident CT mixing chamber/t-piece	1
7	70-803-0746	PFA ferrule 1.6mm ID	Refer note 5
8	70-803-0747	PFA ferrule 1.3mm ID	Refer note 6
9	70-803-1350	¼"-28 ratchet fitting	1

- **Note 1.** Replacement Connector sample tube 0.5mm ID can be ordered as P/N [70-803-1871](#) and is supplied in packets of 3
- **Note 2.** Replacement Connector internal standard tube 0.25mm ID can be ordered as P/N [70-803-1870](#) and is supplied in packets of 3
- **Note 3.** Replacement UniFit nebulizer sample tube, supplied in packs of 10
- **Note 4.** Replacement EzyFit nebulizer sample tube, supplied in packs of 10
- **Note 5.** Replacement PFA ferrule 1.6mm ID can be ordered as P/N [70-803-0749](#) and is supplied in packets of 10
- **Note 6.** Replacement PFA ferrule 1.3mm ID can be ordered as P/N [70-803-0748](#) and is supplied in packets of 10



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Trident CT Internal Standard Kit Diagram



*Connecting Sample Line:

1. Pass the nebulizer sample tube through the ratchet fitting - Refer Figure A
2. Push the nebulizer sample tube through the ferrule. The tube must finish flush with ferrule face - Refer Figure B

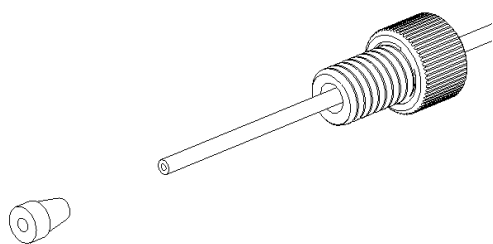


Figure A.

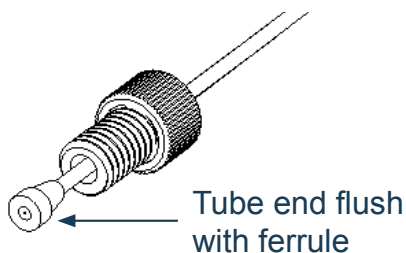


Figure B.

Assembly of the Trident CT Internal Standard Kit

For nebulizers with EzyFit connector:

1. Attach the end of EZT-16-50-300 tubing with the ¼"-28 ratchet fitting to the outlet of the mixing chamber/t-piece (60-703-1119) by screwing the ¼"-28 ratchet fitting onto the PEEK fitting on the mixing chamber/t-piece.

Note: Ensure the ¼"-28 ratchet fitting makes a "clicking" sound when tightening which indicates it is correctly tightened onto the PEEK fitting on the t-piece.

2. Attach the other end of EZT-16-50-300 into the end of the nebulizer inlet.

Or, for a U-Series Nebulizer:

1. Attach the end of the NFT-16-50-300 with the ¼"-28 ratchet fitting to the outlet of the mixing chamber/t-piece (60-703-1119) by screwing the ¼"-28 ratchet fitting onto the PEEK fitting on the mixing chamber/t-piece.
2. Attach the other end of NFT-16-50-300 onto the end of the nebulizer inlet.

If you do not have a Glass Expansion nebulizer with the EzyFit connection or a U-Series nebulizer attach the ¼"-28 fitting supplied to the nebulizers sample capillary using either the 1.6mm ferrule or 1.3mm ferrule supplied.

3. Attach the 0.5mm ID sample capillary (70-803-1796) to one arm of the tee by fitting the ¼"-28 fitting onto the mixing chamber end of the tee.
4. Attach the 0.25mm ID IS capillary (70-803-1797) to the remaining arm of the tee in the same fashion.
5. Attach the other ends of the sample and IS capillaries into the appropriate pump tubes.

Glass Expansion Contour flared-end pump tubing is specially made to facilitate attachment to the capillary tube. This is especially important for the small ID IS pump tubing. The flared-end tubing can be purchased in packs of 6 by adding a "-F" to the end of the normal tubing P/N.

6. Attach the capillary of the IS probe (P/N 60-808-1187) into the other end of the IS pump tubing and insert the probe into your IS solution.
7. Connect your autosampler (or sample) capillary into the other end of the sample pump tubing.

Consumables list:

Part Number	Description
60-808-1187	Internal Standard Sample Probe
60-703-1119	CT Mixing Chamber
70-803-1870	Connector Tube with 1/4-28 fitting 0.25mm x 700mm (PKT. 3)
70-803-1871	Connector Tube with 1/4-28 fitting 0.5mm x 700mm (PKT. 3)
NFT-16-50-300	UniFit Sample Tube 1/16 OD X 0.50mm ID X 300mm (PKT. 10)
EZT-16-50-300	EzyFit Sample Tube 1/16 OD X 0.50mm ID X 300mm (PKT. 10)
70-803-0748	Ferrule 1.3mm (PKT. 10)
70-803-0749	Ferrule 1/16 (PKT. 10)
70-803-1350	Ratchet Connector

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