



Using the ADPC-NS2 Adapter for the Applied Biosystems NanoSpray II Source

(Including QSTAR, 3000 & 4000 Systems)



The ADPC-NS2 nanospray Adapter for ABI Nanospray II source includes the following items:

- (1) UTM mounting base with 2 mounting screws
 - (1) Uncoated Tip Module (UTM) with mounting thumbscrews
 - (1) Conductive microtee
 - (1) Tip holder with (2) mounting thumbscrews
 - (1) PEEK™ union
 - (1) Velcro® tab
 - (1) HV power adapter box with cable (supplied with the ADPC-NS2-4 only)
- Making Connections (PT-3)
ADPC-NS2 Instructions (PF-8)

The ADPC-NS2 Nanospray Adapter enables the use of PicoFrit® Columns on the ABI Nanospray II source supplied on the QSTAR, QTARP 3000/4000 model mass spectrometers. The ADPC-NS2-3 and ADPC-NS2-4 adapter models differ only that the adapter for 4000 model mass spectrometers require a high-voltage power adapter to enable connectivity to the NSII source.

Adapter Assembly

1 ADPC-NS2-4 Only



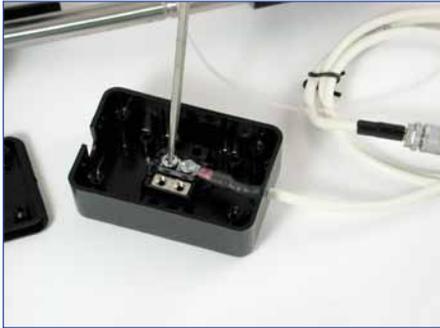
Attach Velcro tab to front face of the Nanospray II source base (ADPC-NS2-4 only)

2 ADPC-NS2-4 Only



Remove the lid from the power adapter (ADPC-NS2-4 only)

3 ADPC-NS2-4 Only



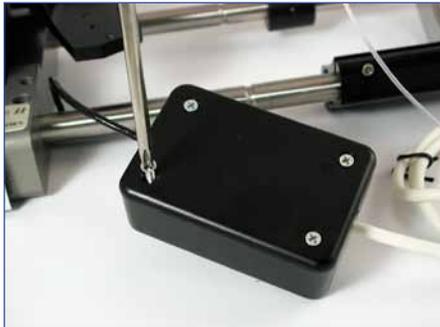
Loosen the empty terminal screws within the power adapter box (ADPC-NS2-4 only)

4 ADPC-NS2-4 Only



Attach power lead from the Nanospray II source to the empty terminals in the power adapter. Tighten terminal screws (ADPC-NS2-4 only).

5 ADPC-NS2-4 Only



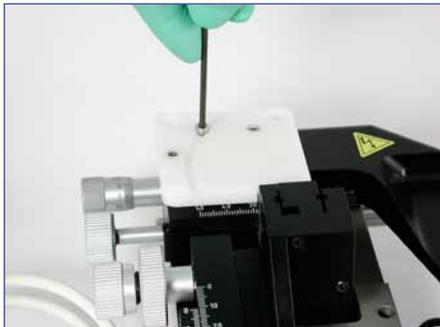
Close and secure power adapter lid using supplied screws (ADPC-NS2-4 only)

6 ADPC-NS2-4 Only



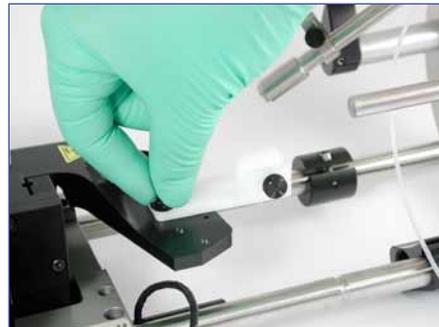
Remove paper from Velcro tab; attach power adapter box to Velcro tab (ADPC-NS2-4 only)

7 ADPC-NS2-3 and -4 models

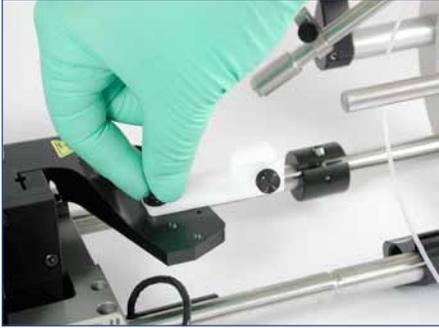


Secure the UTM base to the Nanospray II source using supplied screws

8 ADPC-NS2-3 and -4 models



Place the tip holder on the Nanospray II source in the desired position.

9 ADPC-NS2-3 and -4 models

Secure the tip holder in the desired position using supplied thumbscrew

10 ADPC-NS2-3 and -4 models

Plumb your PicoFrit Column into the PEEK union (refer to Making Connections). Place the PEEK union with loaded PicoFrit Column in the tip holder

11 ADPC-NS2-3 and -4 models

Tighten the locking screw to secure the union in place

12 ADPC-NS2-3 and -4 models

Place the UTM on the base. Measure, trim, and plumb the inlet end of the PicoFrit Column into the microtee along with the transfer line (refer to Making Connections for plumbing the tee).

13 ADPC-NS2-3 and -4 models

Insert the plumbed microtee into the UTM and affix the lid using a long thumbscrew. Attach the UTM to the base using the second long thumbscrew.

14 ADPC-NS2-3 and -4 models

Connect the HV power cable



Assembled ADPC-NS2-4 on the Nanospray II source

Accessories and Replacement Parts

Part Number	Description
MICT-PV	Conductive microtee
ADPC-NS2-PWR	Power adapter for ADPC-NS2-3 Enables use of ADPC-NS2-3 with NSII source on ABI 4000-equipped mass spectrometers

Contact New Objective

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