EVOSEP

Evosep Pod

User Manual

UM-002A

Evosep Pod Overview and Intended Use

The intended use of the EV1187 Evosep™ Pod is to control the temperature of the analytical column during liquid chromatography - mass spectrometry (LC-MS) analysis. It is designed specifically to be used in combination with Evosep LC instrumentation, Evosep standard methods with specified analytical columns and emitters and Thermo Scientific™ MS detection using a Thermo Scientific™ EASY-Spray™ ionization source. The Pod is intended to be used as part of a complete proteomic analysis workflow.

The Evosep Pod is intended to be used as General Laboratory Equipment (GLE).

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Evosep Pod Disclaimer

Evosep™ Pod is designed, developed, and owned by Evosep. Evosep Pod is designed to work with Thermo Scientific™ EASY-Spray™ Sources, which are owned and operated by Thermo Scientific. Evosep is an independent entity and is not affiliated with, endorsed by, or sponsored by Thermo Scientific. All trademarks, product names, and logos associated with Thermo Scientific EASY-Spray are the property of Thermo Scientific.

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The information contained in this Manual is provided for general guidance and reference purposes only. While every effort has been made to ensure the accuracy and completeness of the information, Evosep assumes no responsibility for any errors or omissions. Evosep shall not be held liable for any direct, indirect, incidental, or consequential damages resulting from the use or misuse of Evosep Pod.

To ensure safety and proper functioning, Evosep Pod must be used strictly in accordance with the instructions in this Manual. Any unauthorized modifications, alterations, or use outside the intended purpose will void warranties and may result in unsafe conditions.

Evosep Pod Technical Specifications

Specifications	Value	
Pod Temperature	40 °C	104 °F
Power Supply	24VDC/20W From Thermo Scientific EASY-Spray ionization source	
Operating Conditions	Normal laboratory environment conditions Indoor use only Altitude up to 2000 m (6562 ft) Temperature 15 – 30 °C (59 – 86 °F) ambient For analytical specifications: 22 ± 3 °C (72 ± 6 °F) Temperature fluctuations < 1 °C/hr (< 2 °F/hr) 20-80 % relative humidity, non-condensing	
Unit dimensions	42 x 153 x 34 mm	1.65 x 6.02 x 1.26 in
Weight	120 g	4.23 oz
Compatible Ionization Source(s)	Thermo Scientific EASY-Spray ionization source ES082	

Safety Information

For safety considerations and instructions for use of the Thermo Scientific EASY-Spray ionization source refer to the EASY-Spray ionization source manual. If the Evosep Pod is used in a manner not specified by this Evosep Pod manual, the protection provided by the equipment may be impaired.

Parts required (additional to Evosep system and MS)

EV1187 Evosep Pod	Thermo Scientific EASY-Spray ionization source (Thermo Scientific™ ES082)	EV1072 Easy-Spray adapter	Evosep Performance Columns EV1182, EV1109, EV1137	Evosep Emitter e.g. EV1086
				

Product Label Descriptions

SN	Serial Number	#	Brand and Product Name
REF	Evosep Part Number	CE	CE Mark
	The product should not be discarded as unsorted waste but must be sent to separate collection facilities for recovery and recycling.		Consult instructions for use
DK 2025	Country of manufacture & Year of manufacture		Manufacturer

Installation

Step 1

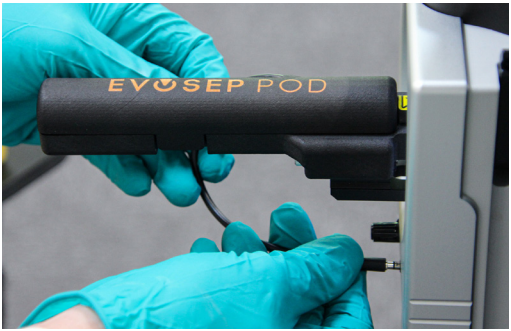
Move away the supporting arm on the Thermo Scientific EASY-Spray ionization source (refer to EASY-Spray User Manual)

Step 2

Slide the Evosep Pod onto the holder and make sure the Pod is inserted completely till you feel or hear the click

Step 3

Connect the cable to the EASY-Spray source as shown



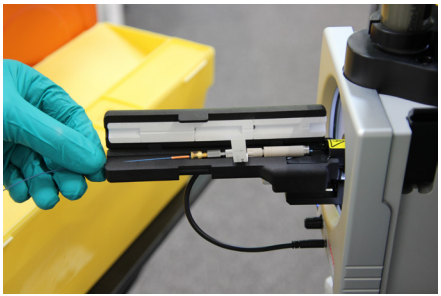
Step 4

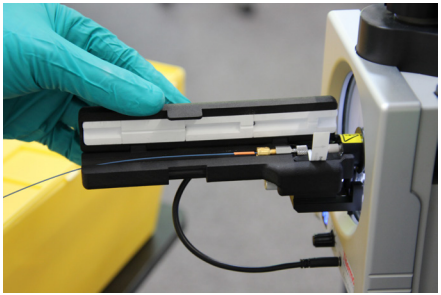
Set the EASY-Spray source temperature dial to 40 (as shown in EASY-Spray User Manual)

When a readback of 40 is seen on the display the Evosep Pod is ready for use

Operation

1. Assemble the Evosep transfer line, analytical column, emitter and EASY-Spray adapter assembly according to EASY-Spray adapter instructions found in the Evosep instrument user guide evosep.com/support/documentation
2. Open the Evosep Pod lid, slide in the column, emitter and EASY-Spray adapter completely till you feel or hear the click and close the lid
3. Wait until the EASY-Spray source display shows a stable readback of 40 ^{0}C before starting LC-MS analysis





Troubleshooting

1. For troubleshooting go to evosep.com/support/documentation

After use

- After LC-MS analysis is completed the Pod lid can be opened and the column, emitter and EASY-Spray adapter assembly can be taken out for storage.
- Use the tip of a finger to retract the EASY-Spray adaptor. **Do not pull the column or transfer line to retract the EASY-Spray adaptor.**
- To turn off the Pod turn the EASY-Spray temperature dial to OFF and disconnect the Pod cable from the EASY-Spray source.
- To remove the Pod open the lid and remove the column, emitter and EASY-Spray adapter assembly, disconnect the Pod cable and slide back the Pod from the EASY-Spray ionization source.

Storage, Cleaning, Maintenance and Disposal

- The Evosep Pod is to be used and stored under the conditions in the technical specifications.
- When removed and disconnected from the EASY-Spray source the Pod outer surface can be wiped clean with water and a tightly wrung out microfiber cloth. Do not use detergents or allow the Pod to get wet.
- In the event of failure, the Evosep Pod must be disposed of and replaced. Disposal should be carried out in accordance with local regulations.
- Evosep Pod is covered by a 12-month warranty from the date of shipment.

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