# EVOSEP ENO

*A Standardized Separation Tool for Proteomics*
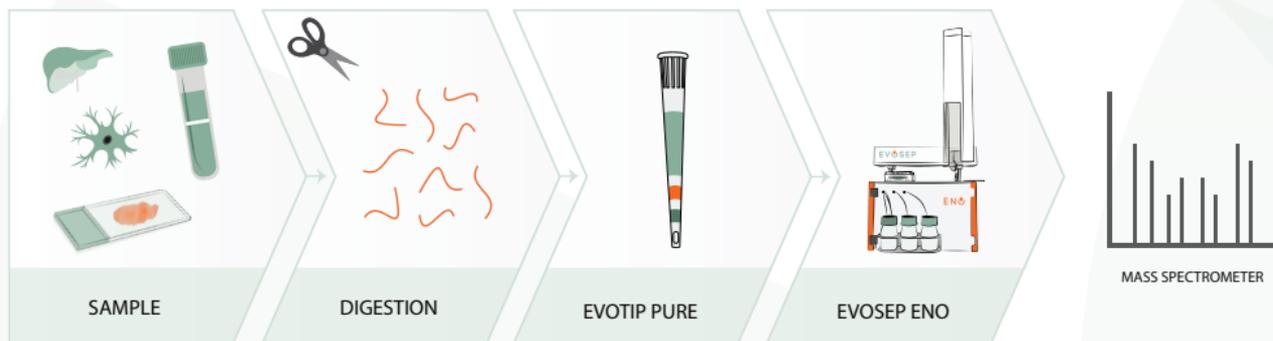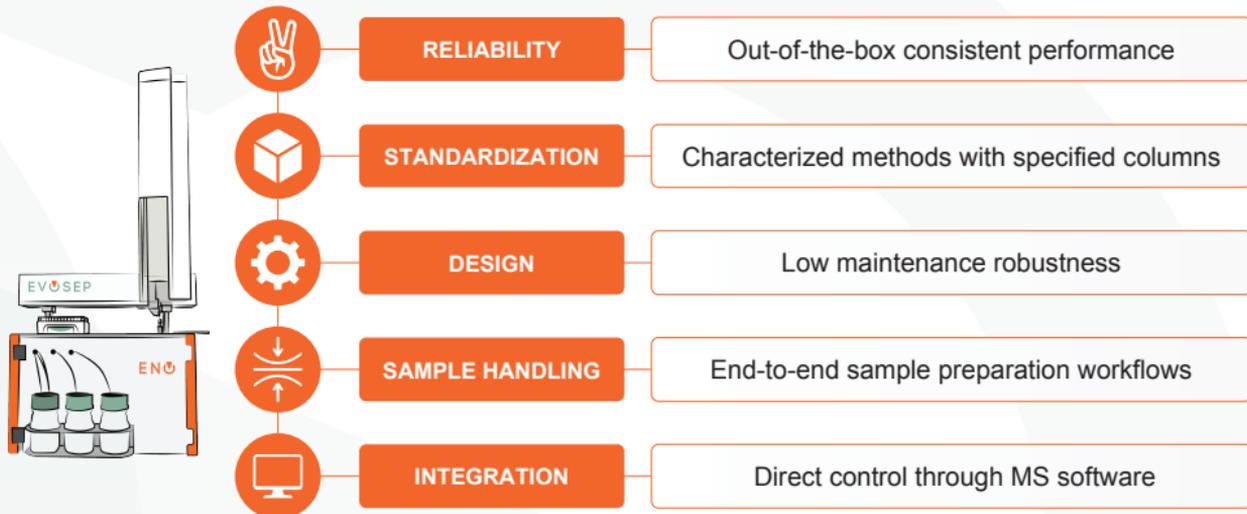
EVOSEP

# Next generation insights

LC-MS based proteomics is not just about individual technologies. It's covers the entire workflow from sample preparation to data acquisition - ensuring sensitivity, reliability, and speed.

Evosep offers a standardized yet versatile solution that streamlines and optimizes the entire workflow - not just individual performance metrics. The versatility and ease-of-use benefits any type of experiment, from multiple, smaller projects to the continuous analysis of large sample cohorts.



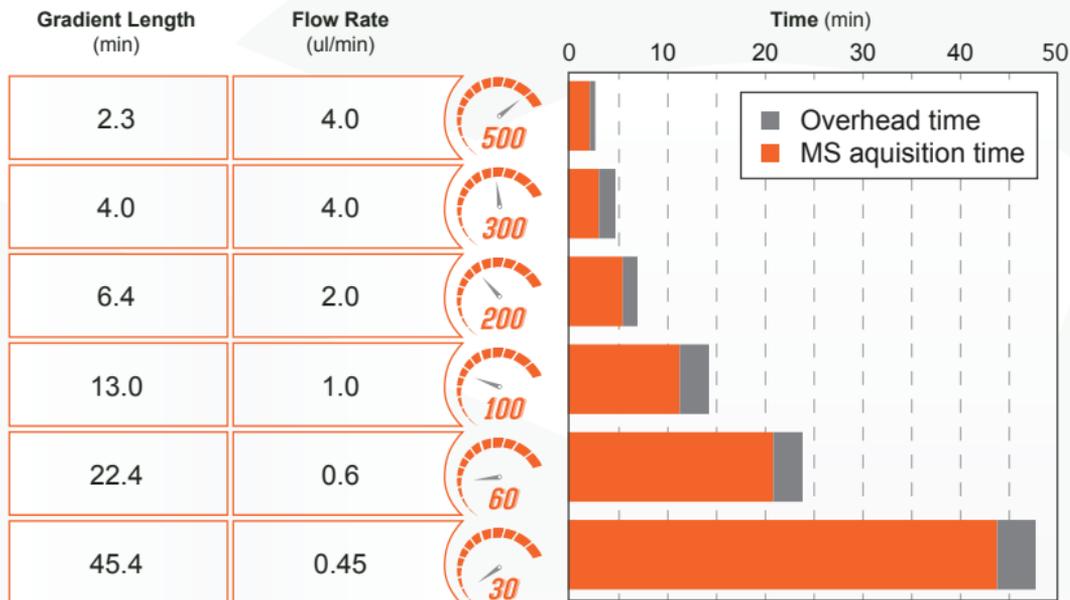| SAMPLE | DIGESTION | EVOTIP PURE | EVOSEP ENO | MASS SPECTROMETER |

# Evosep Eno increases productivity

Evosep Eno is an easy-to-use, robust and reliable chromatographic solution for high performance and standardized proteomics, enabling seamless integration between sample preparation and LC-MS analysis in a sustainable and cost-efficient manner.

| | | |
|---|---|---|
| **RELIABILITY** | Out-of-the-box consistent performance |
| **STANDARDIZATION** | Characterized methods with specified columns |
| **DESIGN** | Low maintenance robustness |
| **SAMPLE HANDLING** | End-to-end sample preparation workflows |
| **INTEGRATION** | Direct control through MS software |

# Versatility through standardized methods

Evosep Eno uses optimized methods with specified columns to ensure out-of-the-box consistent performance for simplified application support. Low overhead time ensures maximum utilization of the mass spectrometer.



| Gradient Length (min) | Flow Rate (ul/min) | | Time (min) |
| --- | --- | --- | --- |
| 2.3 | 4.0 | 500 | |
| 4.0 | 4.0 | 300 | |
| 6.4 | 2.0 | 200 | |
| 13.0 | 1.0 | 100 | |
| 22.4 | 0.6 | 60 | |
| 45.4 | 0.45 | 30 | |

Legend:
- Overhead time
- MS aquisition time

# Short learning curve and ease-of-use

Each standardized method comes with detailed description and expected performance metrics.

You will instantly become an expert to achieve cutting-edge performance - simply follow the listed column and emitter specifications to setup the method to confirm performance and reproducibility using the individual method application notes.
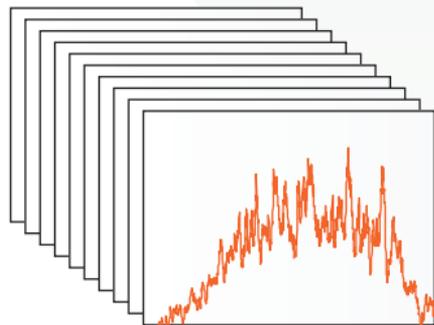
# Innovative sample introduction

Evotip Pure is a precision technology device with extremely high efficiency, integrating desalting with LC-MS sample introduction.

*1. Sample is loaded on the Evotip*

*2. Contaminants are left on the Evotip*
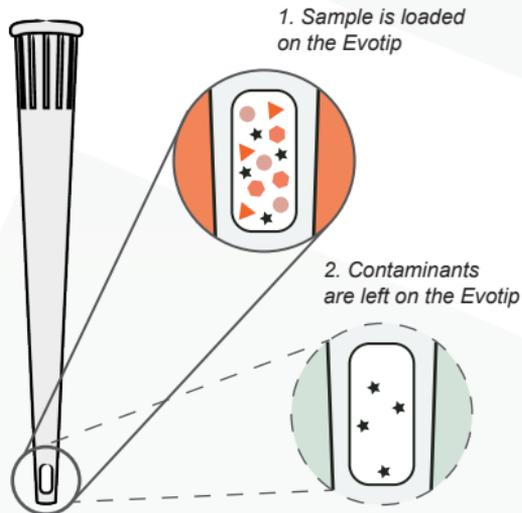
**High efficiency trap column**
Partial elution
Overload protection
No carryover

**Workflow functionality**
Seamless integration with end-to-end workflows
Decouple sample preparation from MS availability

**Innovative sample storage**
Clean-up and concentration of liquid samples
Loss-less sample recovery
Long-term stability

# Sustainable and scalable workflows

The Evotip is key for miniaturizing workflows by only having to digest just enough sample for a single injection, ensuring more cost-efficient and sustainable sample preparation.
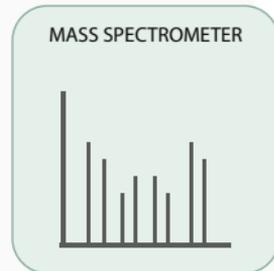
This is powered by fully automated sample loading protocols enabling immediate clean-up and efficient storage of ready-to-analyze samples.
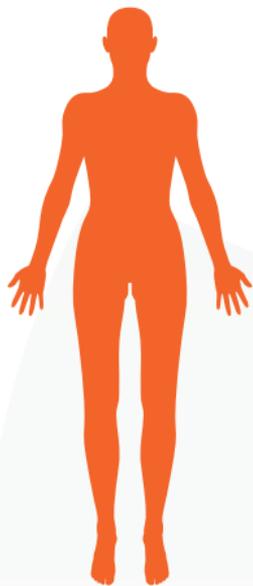
SAMPLE
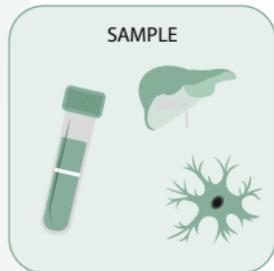
EASY

SUSTAINABLE

COST-EFFICIENT

ROBUST

SCALABLE

CONVENIENT

MASS SPECTROMETER

# Whisper Zoom sets a new standard

Whisper™ Zoom delivers sensitivity for highly versatile applications. Robust methods enable high-throughput analysis for inter-laboratory studies, while a short learning curve facilitates rapid method adaptation.
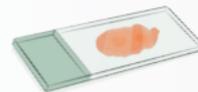


Single cell proteomics

Immuno-peptidomics
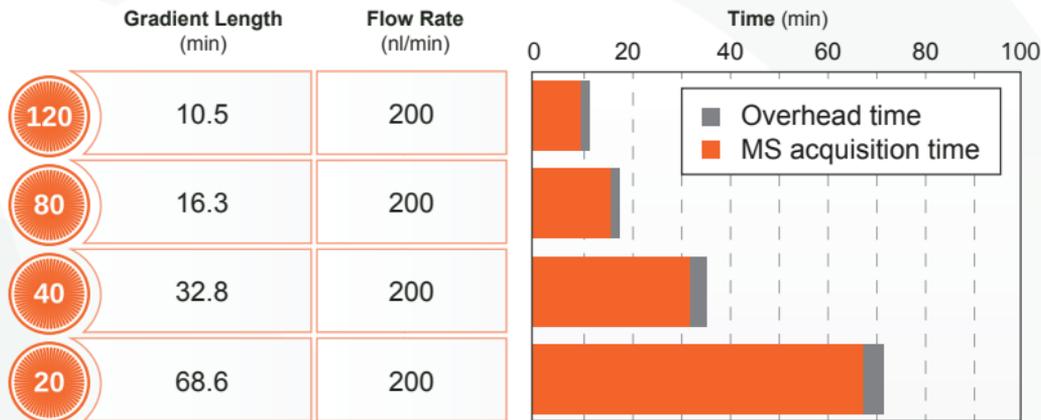
Post translational modifications

Deep visual proteomics

# Robust high sensitivity workflows

The Whisper Zoom methods deliver cutting-edge performance while addressing the increasing requirement for scalability, ease-of-use and robustness.

The methods, specifically designed for standardized and high-sensitivity applications, leverage the unique properties of the Evotip Pure to sensitive storage and efficient LC-MS sample introduction.

| | Gradient Length (min) | Flow Rate (nl/min) | Time (min) |
|---|---|---|---|
| 120 | 10.5 | 200 | |
| 80 | 16.3 | 200 | |
| 40 | 32.8 | 200 | |
| 20 | 68.6 | 200 | |



Legend: Overhead time, MS acquisition time

# Seamless integration

The Evosep Eno connects easily with leading mass spectrometers using optimized emitters and zero dead-volume connectors.
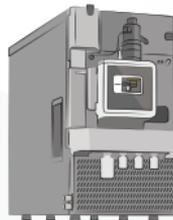
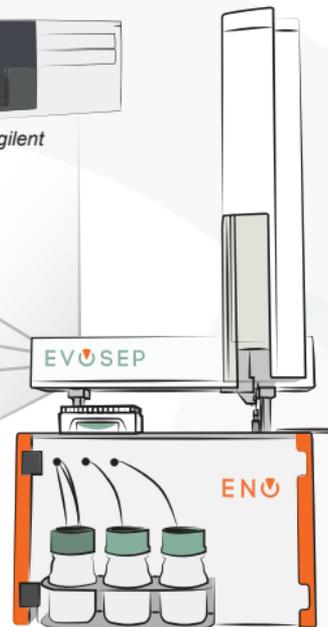Control is provided by integrated software drivers.
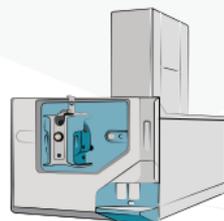


Bruker

Agilent

SCIEX

Thermo Scientific

Waters

EVOSEP

ENO

# Comprehensive service coverage

Choose a tailored service plan[1] to meet your needs.

| | Endurance Service Contract | Performance Service Contract | Excellence Service Contract |
|---|---|---|---|
| Troubleshooting wizards and online tools | ☑ | ☑ | ☑ |
| Free remote diagnosis and repair support | ☑ Priority | ☑ Priority | ☑ Priority |
| Software and method upgrades | ☑ | ☑ | ☑ |
| User certification training | ☑ | ☑ | ☑ |
| Spare parts coverage | ☑ | ☑ | ☑ |
| Preventive maintenance (PM) | ☑ 1 per year | ☑ 1 per year | ☑ 1 per year |
| Wear parts coverage | | ☑ | ☑ |
| Free service repair visits | | | ☑ |
| Max. on-site repair response time | *5 business days* | *3 business days* | *3 business days* |

All service contracts are available with Installation and/or Operational Qualifications.

[1] *Terms and conditions apply*

EVOSEP

Making clinical proteomics
100 times more robust
and 10 times faster

*"We've got you covered, every step of the way"*

Instrument  Consumables  Service

BR-013C 26/02