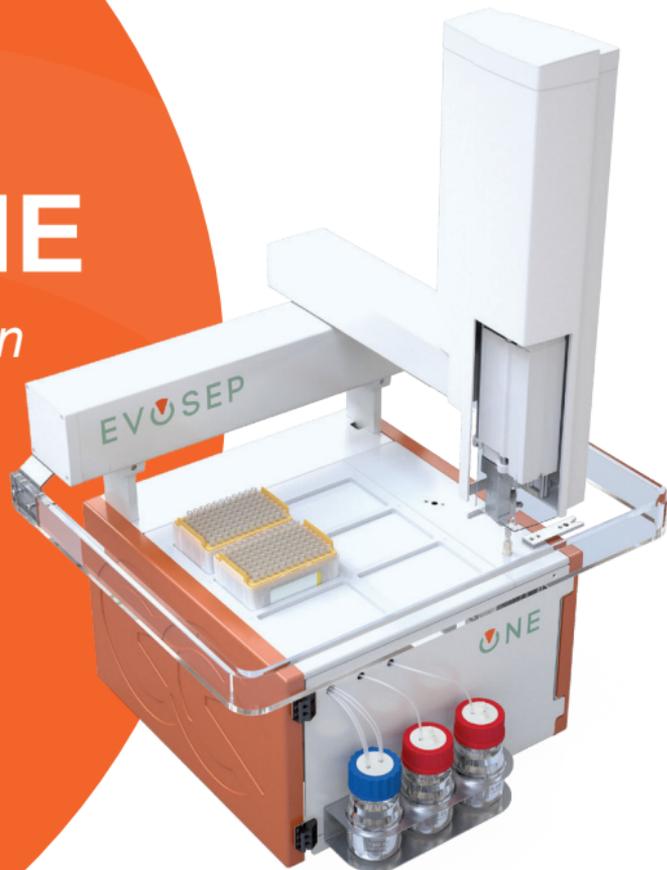


EVOSEP ONE

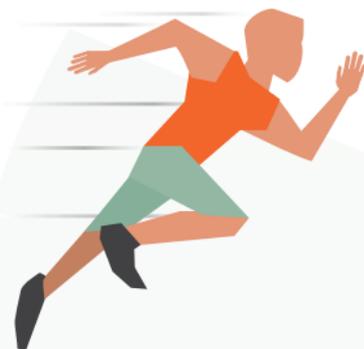
*A Standardized Separation
Tool for Clinical Omics*

EVOSEP



Built for standardization

The five standard Evosep One methods cover the range from ultrahigh throughput single-shot analysis to full proteome analysis with fractionation strategies.



High
throughput



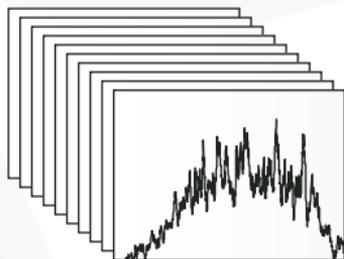
Proteome
coverage

	Gradient Length (min)	Cycle Time (min)	Flow Rate (μ l/min)
300	3.2	4.8	4.0
200	5.6	7.2	2.0
100	11.5	14.4	1.5
60	21.0	24.0	1.0
30	44.0	48.0	0.5

Evosep One methods are designed and tested to provide the best chromatography with the lowest possible system overhead **every time, all the time.**

Out-of-the-box reproducibility

The Evosep One provides a standardized solution with excellent reproducibility, facilitating individual studies and inter-laboratory collaborations alike.



Run-to-Run
0.9 seconds

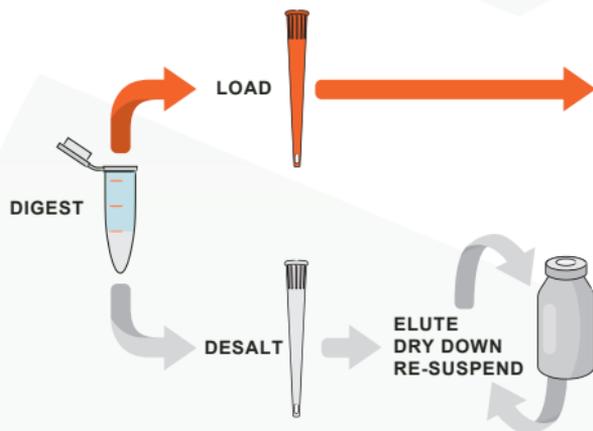
Column-to-Column (10x)
4.1 seconds

Instrument-to-Instrument
4.8 seconds

Robust performance

Simplified workflows

The Evotip serves as an integrated purification step, which saves time compared to conventional methods as some time-consuming steps can be omitted.



Low maintenance components

All the elution and gradient formation steps happen at low pressure, ensuring minimal wear and tear, enabling a 30.000 sample service interval.



Failsafe sample loading with Evotips

Disposable trap columns

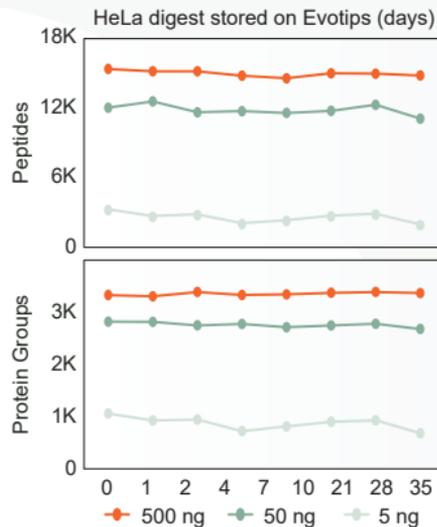
The sample is loaded and desalted offline on the Evotip. Up to six racks of tips are then placed on the autosampler, which picks up the individual tips and places them in the injection port.

Partial elution

The Evotip serves as an integrated purification step, where contaminants are left on the tip, and analytically relevant peptides are eluted. This minimizes cross-contamination and extends column lifetime.

Excellent sample stability

Loaded Evotips can be stored cold. The proteome stability is robust for up to 35 days at various loads.



Chromatographic excellence

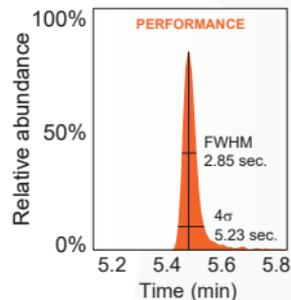
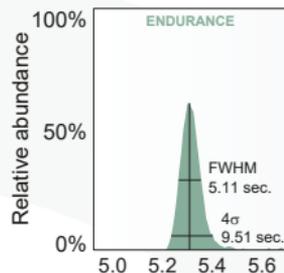
Our two column product lines deliver sharp symmetrical peaks and each analytical column can routinely analyze thousands of samples. Our methods are optimized for these columns so performance and reproducibility is only guaranteed when using those.

ENDURANCE

300	4 cm x 150 μm , 1.9 μm <i>EV1107</i>
200	4 cm x 150 μm , 1.9 μm <i>EV1107</i>
100	8 cm x 100 μm , 3 μm <i>EV1064</i>
60	8 cm x 100 μm , 3 μm <i>EV1064</i>
30	15 cm x 150 μm , 1.9 μm <i>EV1106</i>

PERFORMANCE

8 cm x 150 μm , 1.5 μm <i>EV1109</i>
8 cm x 150 μm , 1.5 μm <i>EV1109</i>

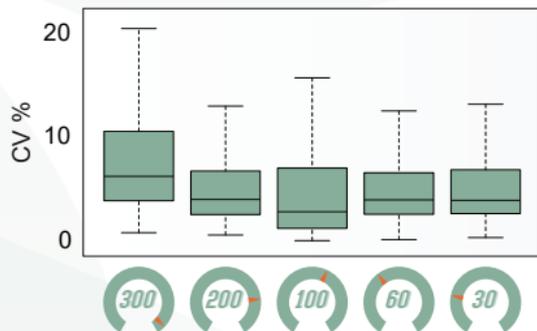


Extracted base peak chromatogram of BSA peptide 722 using 60 samples per day.

Highly reproducible data

Low analytical variability

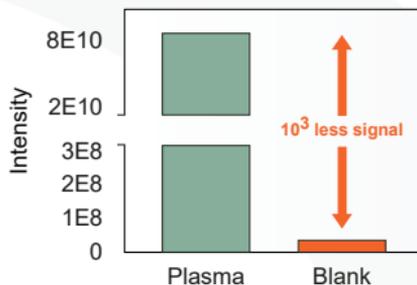
The low analytical variability between samples is a result of carefully calibrated flow control.



Quadruplicate injections of 500 ng HeLa analyzed with DIA yield an overall median coefficient of variation (CV) below 5%.

Ultra low carry-over

Partial elution of the Evotips minimizes average carry-over to 0.07% and 80% of that can be traced back to just 20 peptides.



Average summed peptide intensity from six alternating injections of plasma and blanks using 60 samples per day.

EVUSEP+

Adding specialized applications to a standardized platform

ONE

Making clinical proteomics 100 times more robust and 10 times faster

