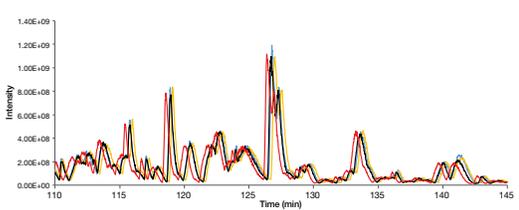
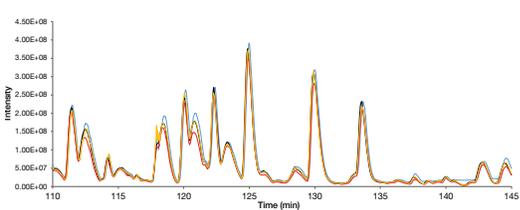


NEW!



Thermo Scientific™ UltiMate™ 3000 RSLCnano system with ProFlow™ technology

The leader in precision performance for all your nano flow needs

Flow Meter Specification Summary	Classic	ProFlow
Flow measurement	Indirect	Direct
Flow rate range (nL/min)*	50–1000	50*–1500
Pressure range (bar/psi)	20–800 (300–11,600)	20–900** (300–13,000)
Retention time RSD (for 300 nL/min and 30 minute gradient)	<0.3%	<0.2%
Flow meter equilibration time from power-up to first injection	1 hour	30 minutes
Recommended system equilibration time to obtain ultimate reproducibility	24 hours	1 hour
Solvent calibration required	After solvent refresh/change	No***
Biocompatible	Yes	Yes
Chromatographic alignment Selected 35 minute window showing 4 overlays of the base peak chromatogram for repeated injections of human plasma samples on a 75 µm x 50 cm column with a 180 minute gradient comparing a Classic and a ProFlow flow meter		

NEW!

* Recommended ** Maximum pressure of pump *** ProFlow is pre-calibrated with 4 default solvent types

Unsurpassed chromatographic alignment.
Ideal for label-free quantification and applications requiring long and shallow gradients.

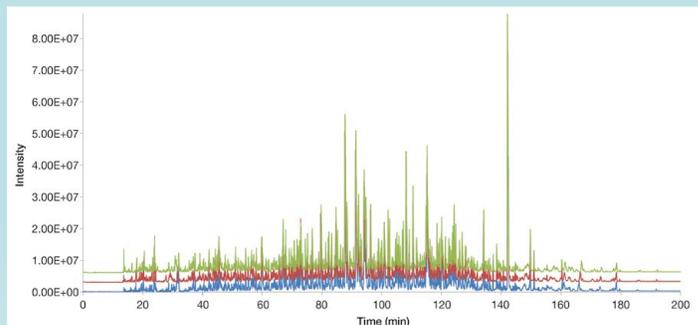


Seamless LC-MS control with single software operation using Standard Instrument Integration (SII).

The UltiMate 3000 RSLCnano system with ProFlow technology—the ultimate proteomics powerhouse

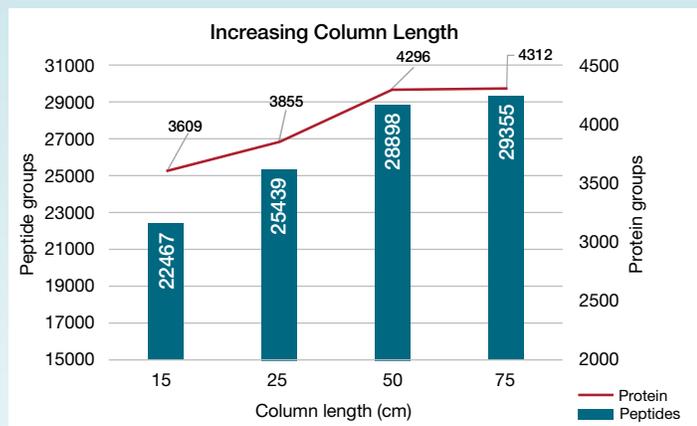
The ultimate in productivity and performance

- Enhanced reproducibility through uncompromised retention time precision **for more confident identification and accurate quantification in large sample cohorts**
- Fast and simple system start-up and operation **for longer system uptimes and robust nano LC-MS data acquisition**
- Seamless LC-MS control with single software operation using **Standard Instrument Integration (SII)**
- **Full compatibility with all RSLCnano platforms:** upgrade kits for all existing RSLCnanos available on request

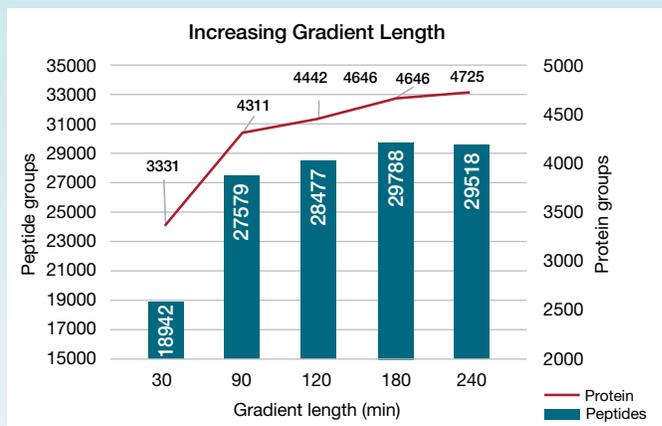


Three overlaid base peak chromatograms of a 200 minute separation showing repeated injection of 1 µg of HeLa protein digest on a 75 µm x 75 cm column.

Increase your proteome coverage with RSLCnano ProFlow technology and our latest 75 cm Thermo Scientific™ PepMap™ columns—there's no place left to hide



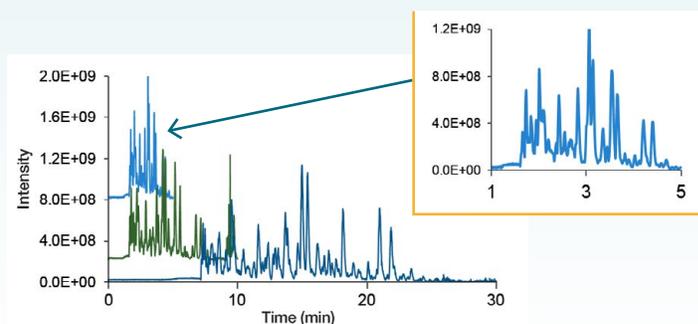
Number of peptide (blue bars) and protein (red line) groups identified from 1 µg HeLa protein digest on 75 µm I.D. columns of lengths ranging from 15–75 cm using a 90 minute gradient. A Thermo Scientific™ Q Exactive™ HF mass spectrometer operated in DDA mode was used to identify peptides and proteins at a 1% false discovery rate.



Number of peptide (blue bars) and protein (red line) groups identified from 1 µg of HeLa protein digest on 75 µm x 75 cm columns using different gradient lengths. A Q Exactive HF mass spectrometer operated in DDA mode was used to identify peptides and proteins at a 1% false discovery rate.

From the most comprehensive “deep dive” analyses, to high-throughput applications—go pro with ProFlow

Wide nano flow—pressure footprint for better resolution with longer columns or UHPLC focused high-throughput applications. Base peak chromatograms for HeLa Cell lysate Digest measured using 5, 10 and 30 minute gradients at a flow rate of 1500 nL/min.



Find out more at www.thermofisher.com/nanoLCMS

ThermoFisher
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