

LC-MS

Thermo Scientific HPLC and UHPLC Systems

LC portfolio for LC-MS applications

Column ID: 50 μm 75 μm 150 μm 300 μm 0.5 mm 1.0 mm ...2.1–4.6 mm



Nano: <math><1.5 \mu\text{L}/\text{min}</math>

Capillary: 1–10 $\mu\text{L}/\text{min}$

Micro: 5–100 $\mu\text{L}/\text{min}$

Analytical: >50 $\mu\text{L}/\text{min}$

Columns available:

- Thermo Scientific™ μPAC ™ Neo columns
- Thermo Scientific™ PepMap™ Neo columns
- Thermo Scientific™ MabPac™ columns
- Thermo Scientific™ Hypersil GOLD™ columns
- Thermo Scientific™ Accucore™ columns
- Thermo Scientific™ Acclaim™ columns



Thermo Scientific™
Vanquish™ Neo
UHPLC System



Thermo Scientific™
Vanquish™ Horizon
UHPLC System



Thermo Scientific™
Vanquish™ Flex
UHPLC System



Thermo Scientific™
Vanquish™ Core
HPLC System

ESI MS Sensitivity

Thermo Scientific LC portfolio overview

HPLC Systems

UHPLC Systems

Analytical HPLC and UHPLC

Nano-, cap-, micro-flow UHPLC

Application-specific HPLC and UHPLC

- Thermo Scientific™ Vanquish™ High-throughput LC Systems
- Thermo Scientific™ Vanquish™ Inverse Gradient LC System
- Thermo Scientific™ Vanquish™ Method Development LC Systems
- Thermo Scientific™ Vanquish™ Online 2D-LC Systems
- Thermo Scientific™ Vanquish™ Analytical Purification LC System

Dependability



Thermo Scientific Vanquish Core HPLC Systems

- High-pressure binary, low-pressure quaternary solvent blending or isocratic flow delivery
- Workhorse instrument
- Seamless method transfer
- System intelligence for improved productivity

700 bar

Flexibility



Thermo Scientific Vanquish Flex UHPLC Systems

- High-pressure binary and low-pressure quaternary solvent blending
- Biocompatible
- Unparalleled flexibility and control

1000 bar

Performance



Thermo Scientific Vanquish Horizon UHPLC System

- High-pressure binary solvent blending
- Biocompatible
- Industry-leading specifications
- Unmatched detection sensitivity

1500 bar

Throughput



Thermo Scientific™ Transcend™ LX and TLX UHPLC Systems

- Up to 4 independent LC channels
- Increases LC-MS throughput by up to 4 fold
- Thermo Scientific™ TurboFlow™ Technology for automated sample clean-up

1000 bar

Sensitivity



Thermo Scientific Vanquish Neo UHPLC System

- All-in-one nano-, capillary-, and micro-flow LC system
- Accelerating productivity with long-term, trouble-free operation
- Intelligent at-system or remote control, diagnostics, and troubleshooting

1500 bar

Discover more at thermofisher.com/hplc