



M5 MicroLC and M5 MicroLC-TE systems System specifications

Simplify small- and large-molecule quanitification and characterization with these feature-rich microflow LC-MS systems. Capable of using a small sample size, the M5 MicroLC and M5 MicroLC-TE systems are extremely sensitive, versatile instruments that will help you save on costs and space and integrate with your SCIEX mass spectrometer of choice.

SYSTEM SPECIFICATIONS VALUE

OVERALL SYSTEM	
pH range	1-10
Gradient delay volume	< 3 µL
PUMP	
Flow rate range Analytical gradient Loading gradient (TE model only)	1–10 uL/min, 5–50 μL/min or 20–200 μL/min (depending on model) 20–200 μL/min
Maximum pressure	10,000 psi
Retention time reproducibility	$<$ 0.5% RSD (at 20 $\mu L/min$ or 5–50 $\mu L/min$, depending on model)
Wetted parts	Stainless steel, titanium, PEEK, fused silica, FEP, PTFE and ceramic
Gradient pump type	Binary
Optional loading pump type	Binary
Number of solvents	2 for each pump (gradient pump and optional loading pump)
Flow control	Microfluidic flow control system
AUTOSAMPLER	
Sample capacity	6 micro titer plates (96 or 384 well) 6 vial adapters for 54 x 2 mL vials
Injection valve	6 port 6-32 thread size (1/32 in) Port-to-port volume < 60 nL

SYSTEM SPECIFICATIONS	VALUE
Auxiliary valve (TE model only)	6 port 6-32 thread size (1/32 in) Port-to-port volume < 60 nL
Injection needle	Stainless steel, 22S gauge (0.4 mm ID)
Injection modes	Partial loop and full loop
Needle and valve wash options	2 wash solvents, programmable
Syringe	100 μL
Vial detection	Missing vial detection
Injection volume range	2-50 μL
Injection volume precision	< 1% RSD full loop < 2% RSD partial loop
Carryover	< 0.005% (benzophenone)
Sample compartment temperature range	4–40°C (ambient must be 24°C or less to reach 4°C)
Wetted parts	Stainless steel, PEEK, FEP, glass
SYSTEM	
Dimensions (L x W x D)	33.5 in x 22.8 in x 27.6 in (98 cm x 58 cm x 70 cm) Add 14 cm (5.6 in) to width for the optional bottle rack
Weight	110 lbs (54 kg) 140 lbs (68 kg), TE model
Power	100-240 V AC, 250 VA
Ambient temperature	15-30°C
I/O	
Communication	USB 2.0
TTL	Run in
Contact closure Ethernet	keady out/kun out/valve out/2 programmable auxiliary valves (Analyst control only)
Instrument control	Eksigent control software with driver for Analyst or SCIEX OS software

The SCIEX clinical diagnostic portfolio is For In Vitro Diagnostic Use. xRx Only. Product(s) not available in all countries. For information on availability, please contact your local sales representative or refer to www.sciex.com/diagnostics. All other products are For Research Use Only. Not for use in Diagnostic Procedures.

Trademarks and/or registered trademarks mentioned herein, including associated logos, are the property of AB Sciex Pte. Ltd. or their respective owners in the United States and/or certain other countries (see www.sciex.com/trademarks).

© 2023 DH Tech. Dev. Pte. Ltd.

RUO-MKT-07-7609-B 03/2023



Headquarters 500 Old Connecticut Path | Framingham, MA 01701, USA Phone 508-383-7700 sciex.com International sales For our office locations please call the division headquarters or refer to our website at sciex.com/offices