



ExionLC™ AD Multiplate Autosampler

Specifications

An ideal replacement for the standard ExionLC AD Autosampler, the Multiplate Autosampler expands sample capacity over threefold without need for a separate Rack Changer. Three drawers can be configured to accept 6 regular or deep-well microtiterplates (MTP) in either 96 or 384-well formats. With the optional vial trays, the ExionLC AD Multiplate Autosampler can hold up to 324 x 1.5-2 mL vials.

ITEM	SPECIFICATION
Injection method	Variable injection volume flow through design (no sample loss during injection)
Injection volume setting range	0.1 to 50 μ L (0.1 to 0.9 μ L in 0.1 μ L increments, 1 to 50 μ L in 1 μ L increments)
Samples for processing	<ul style="list-style-type: none"> • With 96-well microtiter plate: 576 • With 384-well microtiter plate: 2304 • With 1.5-2 mL vials: 324 (requires 54 vial adapter plate)
Injection volume precision	RSD \leq 1.0% (0.5 to 0.9 μ L), RSD \leq 0.5% (1.0 to 1.9 μ L) RSD \leq 0.25% (2.0 to 4.9 μ L), RSD \leq 0.2% (5.0 to 50 μ L)
Injection volume accuracy	\pm 1% (at 50 μ L injection, n = 10)
Carryover	0.0015% max. (under specified conditions)
Sample aspiration rate	0.1 to 15 μ L/sec. (0.1 μ L/sec. increments)
Rinse aspiration rate	variable (1 to 35 μ L/sec., 1 μ L/increments)
Injection cycle time	14 seconds (under specified conditions)
Internal rinsing	Before and/or after sample injection, needle external and/or internal rinsing, four rinse solutions maximum available
Maximum pressure	1300 bar
Sample cooling system	Direct cooling system (environment conditions: room temperature below 30°C with humidity less than 70% when cooler temperature is set to 4°C), dehumidification function included.
Cooling range settings	4 to 40°C (under specified conditions)
Temperature accuracy	\pm 6°C (not possible to cool to 1°C or below)
Liquid contact part materials	Stainless steel (SUS316L, SUS316), ceramic, PTFE, ETFE, FEP, GFP, sapphire, PEEK, Polyimide
ENVIRONMENTAL	
Working temperature	4°C to 35°C
Relative humidity	20-85%
Dimensions (w x h x d)	540 x 415 x 500 mm
Weight	61 kg
ELECTRICAL	
Power supply voltage	AC100 V to 240 V
Power consumption	550 VA
Rated breaking capacity	75A
Power supply frequency	50/60 Hz

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