

2767 SAMPLE MANAGER

Waters® 2767 Sample Manager is a high-capacity sample processing system that easily and automatically manages the sample aspiration and injection (from microplates, test tubes, scintillation vials or conventional autosampler vials), collection and fraction analysis on a single HPLC or LC/MS platform under MassLynx™ Software control.

OPERATING SPECIFICATIONS

Sample capacity	
Injection	Up to 15 microplates (up to 384-wells)
Up to 72 vials	
Up to 480 test tubes	
Collection	Up to 448 test tubes
Up to 12 deep-well plates	
Up to 128 28-mm vials	
Syringe delivery accuracy	> 99.0% at full stroke with 1000- μ L syringe
Injection reproducibility	< 0.75 RSD; 20- μ L injection volume, 20- μ L fixed loop, 4x overfill mode
Carryover	< 0.05%
Injection volume	
Analytical	20 μ L standard (fixed loop), (0.150-in valve passages)
Preparative	1 mL standard (fixed loop), (0.024-in valve passages)
System pressure ratings	
6000 psi	High pressure side, including injector
100 psi	Collection side and syringe/needle wash
Wash pump	> 30 mL/min flow through standard tubing and needle; two wash solvents. Cycle controlled by “Wash Factor” setting
Available sample loops	5, 20 (standard analytical) 50, 100, 250, 500, 1000 (standard preparative) 2500*, 5000*, 10,000* μ L
Supported syringes	250, 500, 1000 (standard) 2500, 5000, 10,000 μ L, 25,000 μ L
Injection cycle time	< 30 s based on standard wash cycle
Custom rack calibration	
Control software	MassLynx v3.5 or higher
Communications	RS-232 to PC/workstation TTL (open collector) to peripheral devices via rear panel connectors

*Sample loop kit includes additional holding loop

[INSTRUMENT SPECIFICATIONS]

PHYSICAL/ENVIRONMENTAL SPECIFICATIONS

Dimensions	Without hood: Width: 815.0 mm (32.1 in.) Depth: 600.0 mm (23.6 in.) Height: 719.0 mm (28.3 in.) With hood: Width: 815.0 mm (32.1 in.) Depth: 600.0 mm (23.6 in.) Height: 808.0 mm (31.8 in.)
Weight	Approximately 59.4 kg (120.0 pounds)
Operating temperature	15 to 40 °C (59 to 104 °F)
Fume hood (optional)	4 in. duct with > 1.25 CFM, minimum face velocity = 10 ft/min

MECHANICAL SPECIFICATIONS

Travel length	X-axis 645.0000 mm (25.4000 in.)	Y-axis 300.0000 mm (11.8100 in.)	Z (Sample) 170.0000 mm (6.6900 in.)	Z (Fraction) 170.0000 mm (6.6900 in.)
Resolution	0.2234 mm (0.0090 in.)	0.0142 mm (0.0060 in.)	0.0982 mm (0.004 in.)	0.0982 mm (0.004 in.)
Positional accuracy	±0.2000 mm (0.0080 in.)	±0.1400 mm (0.0060 in.)	±0.1400 mm (0.0060 in.)	±0.1400 mm (0.0060 in.)

ORDERING INFORMATION

2767 Sample Manager

PART NUMBER

725000299

Options

Fume hood	205000125
2747/2467 Vial removal assembly	205000332
2-mL kit	700004293
5-mL kit	700004294
10-mL kit	700004295
25-mL kit	700003420

[INSTRUMENT SPECIFICATIONS]

Racks

For injection

Rack, 3 SBS-compliant microplates	205000105
Rack, 3 384-well plates	205000110
Rack, 3 holders, 48 x 2 mL	205000107
Rack, 3 holders, 24 x 4 mL	205000106
Rack, 96 test tubes, 13 mm	205000108
2747/2767 Open Access 2-mL vial injection rack	205000109
2747/2767 Open Access 4-mL vial injection rack	205000112

For fraction collection and re-injection

Rack, 112 test tubes, 13 mm	205000116
Rack, 84 test tubes, 16 mm	205000117
Rack, 78 test tubes, 18 mm	205000115
Rack, 36 test tubes, 25 mm	205000118
Rack, 32 vials, 28 mm	205000119
Rack, 3 deep-well plates, 96 wells	205000134

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