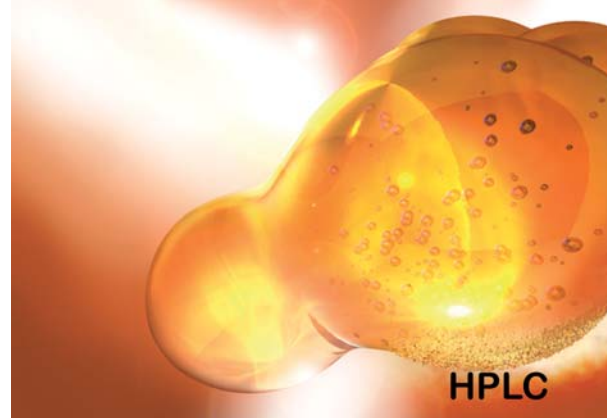


Specification Sheet

SIL-20A / SIL-20AC

Autosampler



	SIL-20A	SIL-20AC
Sample cooling	No	Yes (see below for details)
Sample injection system	Variable injection volume type (zero sample loss during injection)	
Settable range of injection volumes	1 - 100 μ L (standard), 1 - 2000 μ L (optional) (0.1 - 0.9 μ L in 0.1 μ L increments, 1 - 2000 μ L in 1 μ L increments)	
Number of samples processed	175 (1 mL sample vials) 105 (1.5 mL sample vials) 50 (4 mL sample vials) 192 (2x 96-well MTP) 768 (2x 384-well MTP) 192 (2x 96-well DWP) <u>With Rack Changer:</u> 1152 (12x 96-well MTP) 1152 (12x 96-well DWP)	175 (1 mL sample vials) 70 (1.5 mL sample vials) 50 (4 mL sample vials) 192 (2x 96-well MTP) 768 (2x 384-well MTP) 192 (2x 96-well DWP) <u>With Rack Changer/c:</u> 1152 (12x 96-well MTP) 1152 (12x 96-well DWP)
Sample vials	1/1.1/1.5/4 mL glass, 0.3 mL glass w/plastic spacers, 0.3 mL glass (4 mL vial storage type), 0.2/1/4 mL plastic, 96-well microtiter or deep well plate, 384-well microtiter plate	
No. of injections	1 - 30 times per sample (varies with the sample).	
Setting of analysis time	0.01 minute steps (<1000 minutes) 0.1 minute steps (>1000 minutes)	
Sample table steps	100 maximum	
Injection repeatability	RSD < 0.3% (at 10 μ L injection)	
Injection accuracy	\pm 1% (at 50 μ L injection, n=10)	
Sample aspiration rate	0.1 – 15 μ L/sec (0.1 μ L/sec increments)	
Rinse aspiration rate	Variable (1 – 35 μ L/sec, 1 μ L/sec increments)	
Carryover	Less than 0.005% (using Naphthalene Chlorohexidine analysis conditions)	
Sample pretreatment	No	

Specification Sheet: SIL-20A/AC Autosampler (2/2)

pH range	1 - 14	
Maximum pressure	20.0 MPa (standard), 35.0MPa (optional)	
Wetted surface material	SUS316, SUS316L, ceramics, PTFE, EFTE, FEP, GFP, Sapphire, PEEK	
Operating conditions	4 - 35°C, 20-85% humidity	
Power requirements	100 VA, 50/60 Hz	300 VA, 50/60 Hz
Dimensions	W 260 x H 415 x D 500 mm	
Weight:	27 kg	30 kg

SIL-20AC sample cooler specifications

System	Direct cooling system (environment conditions: room temperature below 30°C with humidity less than 70% when the cooler temperature is set to 4°C), dehumidification system built-in
Temperature setting range	4 – 40°C (can be cooled down to 4°C when the room temperature is below 30°C and the humidity is below 70%)
Temperature accuracy	± 3°C (for microtiter plate, ± 6°C for deep well plate. Not cooled below 1°C)