

BI Autosampler

Autonomous sample preparation and delivery



Enhance your SPR research productivity with the BI Autosampler. The BI Autosampler conveniently integrates with all BI-SPR instruments, turning your BI-SPR instrument into an automated workhorse.

Key Features

- ☑ Automated sample mixing and dilution for greater hands-free operation.
- ☑ Two plate holders, each compatible with 384, 96, 48, and 12 plate formats.
- ☑ Handles well plates, open vials, and sealed vials
- ☑ Sample cooling, ranging from 4 °C to 3 °C below ambient
- ☑ Multi-solvent needle wash virtually eliminates carry-over
- ☑ Pressure assisted sample aspiration for minimal sample needle contact
- ☑ Silica coated steel needles for metal-free sampling



Performance Specifications

Injection modes	Full-loop Partial loop-fill µL-Pick-up	Pressure Assisted Sample Aspiration using ~10 PSI Sample Headspace pressure to avoid air bubbles in sample lines
Injection volume	From 0 µL to 9999 µL	Max injection volume depends on Installed sample loops and Injection mode
Injection precision	Full-loop < 0.3% RSD Partial loop-fill < 0.5% RSD µL-Pick-up < 1.0% RSD	For injection volumes > 5µL
Sample viscosity	0.1—5 cP	
Needle wash Inside and outside needle wash with drying. Wash can be programmed between injections and between vials/wells	1 solvent 5 additional wash solvents	Programmable volume from a 250 uL wash reservoir
Injection cycle time	< 60 seconds	
Valve switching time	60 msec	
Wetted parts	Coated steel needle, glass, PEEK	
Carry-over	< 0.05% with standard wash Typically <0.01% with extra wash	“zero carry-over” can be accomplished
Sample Capacity	Microtiter plates: 2 Vials: 2x 48 (1.5 mL) or 2x 12 (10 mL) - optional	Microtiter plates according to SBS standards. 96 - well high and low, and 384 - well.
Maximum vial/ MTP height	47 mm	Including cap
Sample cooling	Minimum: 4 °C +/- 2 °C Maximum: ambient temp -3 °C	Measured as air temperature in sample compartment for maximum ambient temperature 25 °C and maximum humidity 80%
Dimensions	300 x 510 x 360 mm (w x d x h) 300 x 575 x 360 mm with cooling	
Weight	19 kg 21 kg with cooling	
Power requirements	95 - 240 Volt AC +/- 10%, 50 - 60Hz; 200 VA	

Available in Canada from...



For more information, please contact us at:

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