

The New SC-E2 DXS Fully-Integrated Autosampler for the ELEMENT 2 ICPMS

The SC-E2 DXS system is a durable, fully-integrated automated sampling system for the ELEMENT 2. The SC-E2 DXS now includes the C6 carriage which employs a ridged rail and Reset Probe that ensures quick and precise movements to streamline any procedure.

With fully-integrated controls, the SC-E2 DXS can be customized for advanced sample introduction applications such as seaFAST and microFAST. The tray provides space for sample introduction accessories like the Apex, as well as room for sample staging.

The SC-E4 DXS is available with an integrated FAST system for high throughput applications.

FEATURES AND BENEFITS:

Fully Integrated - With the modular design, all hardware—such as peripumps, FAST valves, and rinse pumps—are connected to and controlled through a single unit.

Built to Last - A new epoxy powder-coated steel structure plate improves weight-bearing capabilities.

Compact - Directly replaces the standard ELEMENT 2 tray while allowing a capacity of up to 384 samples plus 12 standards.

Highest Accuracy - The new C6 carriage, with a ridged column that facilitates precise movement, is standard on all DXS units.

Precise Calibration - With ESI SCv3 software, calibration values are programmed before shipping, removing any chance of calibration error to ensure no samples are missed.

Flexible Hardware - The DXS can accommodate a range of hardware configurations:

- 3 FAST valves
- 4 vacuum pumps
- 2 rinse stations
- 2 MP² micro peristaltic pumps



SC-E2 DXS integrated on the Thermo ELEMENT 2 ICPMS with integrated MP² micro peristaltic pump



C6 Carriage with 360 Cap, an easy-to-use spin cap design that shortens the length of capillary needed.

Flexible

- Flexible rack combinations of up to 2 large racks, 4 micro racks or 4 microtiter plates
- A wide variety of probe designs and custom racks available

SC-E2 DXS Configurations

- Autosampler only
- Autosampler with *FAST*
- *seaFAST*
- *chromFAST*
- *microFAST*
- *TRUFAST*



**SC-E2 DXS Fully-Integrated Autosampler
for the ELEMENT 2 ICPMS**

SC-E2 DXS RACK AND VIAL CONFIGURATIONS					
	Part Number	Sample Vials	Volume	Capacity	
Large	Microtiter Plates	MT-24-10ML-02	10 mL	96	
		MT-48-5ML-02	5 mL	192	
		MT-96-2ML-02	2 mL	384	
	Large Racks	LR-21-30	V-29-60-X	60 mL	42
		LR-40-20	V-20-0290	20 mL	80
		LR-60-16	V-16-0225, V-16-0200R-M, PFA-T16	15mL, 13 mL, 12 mL	120
	Coated Metal Racks	LRM-21-30-R	V-29-60-X	60 mL	42
		LRM-60-16-R	V-16-0225, V-16-0200R-M, PFA-T16	15mL, 13 mL, 12 mL	120
		LRM-90-13-R	V-13-0500-R-D, V-13-0200-R-D	8 mL, 12 mL	180
	Heated Large Racks	HR-21-30	V-29-60-X	60 mL	42
		HR-40-20	V-20-0290	20 mL	80
		HR-60-16	V-16-0225, V-16-0200R-M, PFA-T16	15mL, 13 mL, 12 mL	120
	Standards Racks	ST10-28	V-28-0360-V, V-28-0260	20 mL, 50 mL	10
		ST10-28-CP	V-28-0360-V, V-28-0260	20 mL, 50 mL	10
		ST12-14	V-14-0311CG-X, V-14-0312CG-X, V-14-0314CG-X	1 mL, 2 mL, 4 mL	12
Micro Racks	MR-21-14	V-14-0311CG-X, V-14-0312CG-X, V-14-0314CG-X	1 mL, 2 mL, 4 mL	84	
	MR-40-14	V-14-0311CG-X, V-14-0312CG-X, V-14-0314CG-X	1 mL, 2 mL, 4 mL	160	
	MR-60-08	V-8-0505	0.5 mL	240	
	MR-90-06	V-6-0502	0.2 mL	360	

Other rack and vial combinations are available.