

The New SC-E4 DXS Fully-Integrated Autosampler for the ELEMENT 2 ICPMS

The SC-E4 DXS system is a durable, fully-integrated automated sampling system for the ELEMENT 2. The SC-E4 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-E4 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.



SC-E4 DXS integrated on the Thermo **ELEMENT 2** ICPMS with integrated MP² micro peristaltic pump

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.

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

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 576 samples plus 12 standards.

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
- 2 syringe pumps or S300 Online Dilution System



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 4 large racks, 6 micro racks or 6 microtiter plates
- A wide variety of probe designs and custom racks available

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SC-E4 DXS Configurations

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

SC-E4 DXS RACK AND VIAL CONFIGURATIONS

		Part Number	Sample Vials	Volume	Capacity
Large Coated Metal Racks	Microtiter Plates	MT-24-10ML-02		10 mL	144
		MT-48-5ML-02		5 mL	288
		MT-96-2ML-02		2 mL	576
	Large Racks	LR-21-30	V-29-60-X	60 mL	84
		LR-40-20	V-20-0290	20 mL	160
		LR-60-16	V-16-0225, V-16-0200R-M, PFA-T16	15mL, 13 mL, 12 mL	240
	Coated Metal Racks	LRM-21-30-R	V-29-60-X	60 mL	84
		LRM-60-16-R	V-16-0225, V-16-0200R-M, PFA-T16	15mL, 13 mL, 12 mL	240
		LRM-90-13-R	V-13-0500-R-D, V-13-0200-R-D	8 mL, 12 mL	360
	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	126	
	MR-40-14	V-14-0311CG-X, V-14-0312CG-X, V-14-0314CG-X	1 mL, 2 mL, 4 mL	240	
	MR-60-08	V-8-0505	0.5 mL	360	
	MR-90-06	V-6-0502	0.2 mL	540	

Other rack and vial combinations are available.