GERSTEL certified SUPPLIES

SPE^{xos}
Online SPE system with replaceable SPE cartridges

Online SPE with replaceable cartridges SPE^{xos}

GERSTEL SPE^{xos} expands your sample preparation portfolio with online SPE. Compared with standard SPE, SPE^{xos} utilizes a much smaller cartridge with 20 mg of sorbent, enabling a significant miniaturization of the entire process: Much smaller sample amounts are needed to reach required detection limits and much less solvent is needed for analyte elution reducing cost, simplifying logistics, and increasing method sensitivity.
The SPE^{xos} system is completely integrated into the LC-MS/MS setup and the eluate transferred 100 % to the LC column for best possible recovery and limits of detection.

GERSTEL SPE^{xos} cartridges

	Part No.
SPE^{xos} C18 EC SE (Second Edition) Silica based C18 phase, endcapped Average content 18,5 mg; Particle size 8 µm; 96 units	**018804-009-00**
SPE^{xos} C18 HD (High Density) Silica based C18 phase, endcapped Average content 18,5 mg; Particle size 7 µm; 96 units	**018804-001-00**
SPE^{xos} C8 EC SE (Second Edition) Silica based C8 phase, endcapped Average content 18,5 mg; Particle size 10 µm; 96 units	**018804-002-00**
SPE^{xos} C8 SE (Second Edition) Silica based C8 phase. Average content 18,5 mg; Particle size 7 µm; 96 units	**018804-010-00**
SPE^{xos} C2 SE (Second Edition) Silica based C2 phase. Average content 18,5 mg; Particle size 7 µm; 96 units	**018804-008-00**
SPE^{xos} Resin SH (Strong Hydrophobic) Strong styrene-divinylbenzene polymer. Frequently used for the extraction of phenols and polar analytes or for the extraction of a wide range of compounds. Average content 13 mg; Particle size 15-25 µm; 96 units	**018804-003-00**
SPE^{xos} Resin GP (General Purpose) Modified divinylbenzene polymer. Average content 13 mg; Particle size 10-12 µm; 96 units	**018804-004-00**
SPE^{xos} CN-SE (Second Edition) Silica based CN phase. Average content 18,5 mg; Particle size 7 µm; 96 units	**018804-007-00**
SPE^{xos} MM-A; mixed mode anion Styrenedivinylbenzene polymer anion exchange. Polymer phase used for the extraction of organic acids. Average content 13 mg; Particle size 10 µm; 96 units	**018804-005-00**
SPE^{xos} MM-C; mixed mode cation Styrenedivinylbenzene polymer cation exchange. Polymer phase used for the extraction of basic compounds. Average content 13 mg; Particle size 10 µm; 96 units	**018804-006-00**
SPE^{xos} Method Development Tray containing (12 cartridges of each type): C18 HD (High Density) C8 EC SE (Second Edition) Resin SH (Strong Hydrophobic) Resin GP (General Purpose) MM-A; Mixed Mode MM-C; Mixed Mode CN SE (Second Edition) C2 SE (Second Edition)	**018804-000-00**

Cartridge dimensions (OD/ID x l)	8/2 mm x 10 mm
Internal volume	31 µL
Max. pressure	300 bar (4300psi)
Sieve pore size	1 µm
Wetted material	PVDF (body) and stainless steel sieve

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