

HyperSep solid phase extraction products offer reproducible and reliable sample preparation in a traditional format. Products are available for use in biological, pharmaceutical, forensic and environmental applications.

HyperSep SPE

Solid phase extraction columns, 96-well plates and accessories



HyperSep SPE

HyperSep™ solid phase extraction columns offer reproducible and reliable sample preparation in a traditional format. The polypropylene columns are chemically resistant. Two polyethylene frits are used to support the sorbent bed within the column. The columns are ideal for large samples and conform to industry standard configurations. HyperSep columns are available in a range of bed weights to suit a wide range of applications. Samples can be processed through the columns by vacuum, by positive pressure or by centrifugation.

The HyperSep-96™ system incorporates traditional solid phase extraction sorbents into 96-well plate format providing fast analysis without sacrificing accuracy or reproducibility. The innovative design of HyperSep-96 well plates provides flexibility

for both method development and scale adjustment to 96-well without method revalidation. Well plates are customizable, allowing any arrangement of wells with differing sorbent chemistries for simultaneous processing. HyperSep-96 products are either available in packs of 100 individual wells or in pre-assembled plates.

HyperSep-96 Accessories

HyperSep-96 accessories are available to compliment the range of HyperSep-96 well plates. The accessories ensure that method development is carried out efficiently and without re-validation

The range includes the Universal Vacuum Manifold, which is compatible with both HyperSep SPE columns and HyperSep-96 well plates.



HyperSep SPE

Sorbent	Phase Description	Mean Particle Size (µm)	Mean Pore Size (Å)	Endcapped	Primary Retention Mechanisms
Hypercarb™	100% porous graphitic carbon, stable across the entire pH range and at elevated temperature	30	250	N/A	Hydrophobic reversed phase, Normal phase adsorption, polar (PREG)
C18	Trifunctional octadecyl	40 - 60	60	No	Hydrophobic reversed phase
C8	Trifunctional octyl	40 - 60	60	No	Hydrophobic reversed phase
Phenyl	Trifunctional phenyl	40 - 60	60	No	Hydrophobic reversed phase
Silica	Unbonded activated silica	40 - 60	60	No	Hydrophilic normal phase
SAX	Trifunctional quaternary amine, 0.25 mEq/g, Cl ⁻ counter ion	40 - 60	60	No	Anion exchange
SCX	Trifunctional benzene sulfonic acid, 0.32 mEq/g, H ⁺ counter ion	40 - 60	60	No	Cation exchange
Verify™-CX	Mixed mode, containing C8 and benzenesulfonic acid	40 - 60	60	No	Cation exchange, non-polar
Verify™-AX	Mixed mode, containing C8 and quaternary amine	40 - 60	60	No	Anion exchange, non-polar
Florisil™	Florisil	40 - 60	N/A	No	Hydrophilic normal phase
Aminopropyl	Trifunctional aminopropyl, 0.31 mEq/g	40 - 60	60	No	Normal phase, anion exchange

For a complete listing of HyperSep products, visit www.thermo.com/columns.



The Universal Vacuum Manifold is compatible with both HyperSep SPE columns and HyperSep-96 well plates

HyperSep-96 Accessories

Description	Quantity	Part Number
Base plate, single	1	60300-302
Base plate, pack	5	60300-303
Sample collection plate, 1 mL	50	60300-402
Sample collection plate, 2 mL	50	60300-403
Luer adaptors for well outlet	25	60300-323
Well removing tool	1	60300-310
Base plate plugs, strips of 8	50	60300-313
Empty wells, 1 mL	100	60300-318
Empty fritted wells, 1 mL	100	60300-311
Insert for Porvair™ manifold	1	60300-320
HyperSep-96 vacuum manifold	1	60103-351
Universal vacuum manifold	1	60104-230
Well sealing caps	50	60300-317

For technical tips and applications to aid your chromatography, visit the **Chromatography Resource Center** at www.thermo.com/columns

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