



Thermo Scientific
Chromatography Columns
and Consumables 2016-2017

Connected chromatography solutions

Thermo
SCIENTIFIC

HyperSep SPE Cartridges and Plates

HyperSep Retain SPE Cartridges and Plates

Versatile polymeric materials for retention of polar, non-polar, basic and acidic drugs

- Exceptional recoveries for polar and non-polar analytes
- High and consistent recoveries
- High capacity, high purity, highly porous polystyrene DVB material modified with functional groups
 - PEP - urea for polar and non-polar analytes
 - CX - Sulfonic acid for basic analytes
 - AX - Quaternary amine for acidic analytes
- Fast and easy sample preparation and method development
- pH stable 0 to 14



HyperSep Retain PEP/CX/AX SPE Cartridges

Bed Weight (mg)	Column Volume (mL)	Retain PEP Cat No.	Retain CX Cat No.	Retain AX Cat No.	Quantity
30	1	60107-201	60107-301	60107-401	100 Pack
30	3	60107-202	60107-302	60107-402	50 Pack
60	3	60107-203	60107-303	60107-403	50 Pack
60	6	60107-208	60107-308	60107-408	30 Pack
100	3	60107-217	60107-317	60107-417	50 Pack
100	6	60107-207	60107-307	60107-407	30 Pack
150	3	60107-209	60107-309	60107-413	30 Pack
150	6	60107-211	60107-311	60107-411	30 Pack
200	3	60107-204	60107-304	60107-404	50 Pack
200	6	60107-212	60107-314	60107-412	30 Pack
500	3	60107-205	60107-305	60107-405	50 Pack
500	6	60107-206	60107-306	60107-406	30 Pack
500	15	60107-219	60107-319	60107-419	20 Pack
1,000	25	60107-215	60107-315	60107-415	20 Pack
1,000	6	60107-218	60107-318	60107-418	30 Pack
2,000	25	60107-214	60107-312	60107-414	20 Pack

Note: For bed weights less than 30mg please refer to SOLA SPE products on page 1-011.

HyperSep Retain PEP/CX/AX 96 Fixed Well Plates

Bed Weight (mg)	Well Volume (mL)	Retain PEP Cat No.	Retain CX Cat No.	Retain AX Cat No.	Quantity
30	1	60306-207	60306-303	60306-403	1 Each
60	1	60306-208	60306-304	60306-404	1 Each

Note: For bed weights less than 30mg please refer to SOLA SPE products on page 1-011.

HyperSep Retain PEP/CX/AX 96 Removable Well Plate

Bed Weight (mg)	Volume (mL)	Retain PEP Cat No.	Retain CX Cat No.	Retain AX Cat No.	Quantity
30	1	60303-207	60303-307	60303-407	1 Each
60	1	60303-208	60303-308	60303-408	1 Each

Note: For bed weights less than 30mg please refer to SOLA SPE products on page 1-011.

Retain PEP Applications

- Drugs and metabolites in biological fluids
- Peptides in serum, plasma or biological fluids
- Environmental samples

Retain CX Applications

- Analysis of a wide range of drugs of abuse including basic and neutral drugs

Retain AX Applications

- Analysis of THC and its metabolites

HyperSep Hypercarb SPE Cartridges and Plates

Unique material for retention of highly polar compounds

- Thermo Scientific™ HyperSep™ Hypercarb™ SPE contains flat, 100% porous graphitic carbon (PGC) with selectivity for structurally similar compounds, offering separation of compounds with simple solvents
- pH stable 0 to 14
- High batch-to-batch reproducibility
- Strong retention properties allow use of low bed weights for concentrated extracts
- Interaction mechanism with polar molecules



HyperSep Hypercarb SPE Cartridges

Bed Weight (mg)	Column Volume (mL)	Cat. No.	Quantity
25	1	60106-304	50 Pack
50	1	60106-303	50 Pack
100	1	60106-302	30 Pack
200	3	60106-301	30 Pack
500	6	60106-402	20 Pack
1,000	6	60106-403	10 Pack
2,000	15	60106-404	10 Pack

HyperSep Hypercarb 96 Fixed Well Plates

Bed Weight (mg)	Well Volume (mL)	Cat. No.	Quantity
10	1	60306-501	1 Each
25	1	60306-502	1 Each
50	1	60306-503	1 Each

HyperSep Hypercarb 96 Removable Well Plates

Bed Weight (mg)	Well Volume (mL)	Cat. No.	Quantity
10	1	60302-606	1 Each
25	1	60302-607	1 Each
50	1	60302-608	1 Each

HyperSep C18 SPE Cartridges and Plates

Feature a highly retentive alkyl-bonded phase for extraction of non-polar to moderately polar compounds

HyperSep C18 SPE Cartridges

Bed Weight (mg)	Column Volume (mL)	Cat. No.	Quantity
25	1	60108-376	100 Pack
50	1	60108-390	100 Pack
100	1	60108-302	100 Pack
100	3	60108-765	50 Pack
200	3	60108-303	50 Pack
500	3	60108-304	50 Pack
500	6	60108-305	30 Pack
500	10	60108-786	50 Pack
1,000	6	60108-301	30 Pack
1,000	15	60108-776	20 Pack
2,000	15	60108-701	20 Pack
2000	25	60108-780	20 Pack
5,000	25	60108-702	20 Pack
10,000	75	60108-703	10 Pack

HyperSep C18 96 Fixed/Removable Well Plates

Bed Weight (mg)	Well Volume (mL)	Fixed Cat. No.	Removable Cat. No.	Quantity
10	1	60307-201	60300-425	1 Each
25	1	60307-202	60300-426	1 Each
50	1	60307-203	60300-427	1 Each
100	1	60307-204	60300-428	1 Each

HyperSep C8 SPE Cartridges and Plates

Less retentive alternative to C18 for polar and non-polar compounds

HyperSep C8 SPE Cartridges

Bed Weight (mg)	Column Volume (mL)	Cat. No.	Quantity
50	1	60108-391	100 Pack
100	1	60108-392	100 Pack
200	3	60108-393	50 Pack
500	3	60108-309	50 Pack
500	6	60108-394	30 Pack
1,000	6	60108-427	30 Pack
2,000	15	60108-704	20 Pack
5,000	25	60108-705	20 Pack
10,000	75	60108-706	10 Pack

HyperSep C8 96 Fixed/Removable Well Plates

Bed Weight (mg)	Well Volume (mL)	Fixed Cat. No.	Removable Cat. No.	Quantity
10	1	60307-211	60300-445	1 Each
25	1	60307-212	60300-446	1 Each
50	1	60307-213	60300-447	1 Each
100	1	60307-214	60300-448	1 Each

Applications:

- Retentive for non-polar compounds
- Retains most organic analytes from aqueous matrices

Applications:

- Drugs and their metabolites in biological samples
- Peptides in biological samples

HyperSep Silica SPE Cartridges and Plates

A polar sorbent primarily used to retain analytes in non-polar matrices

HyperSep Silica SPE Cartridges

Bed Weight (mg)	Column Volume (mL)	Cat. No.	Quantity
50	1	60108-409	100 Pack
100	1	60108-317	100 Pack
200	3	60108-410	50 Pack
500	3	60108-315	50 Pack
500	6	60108-411	30 Pack
500	10	60108-793	50 Pack
1,000	6	60108-426	30 Pack
2,000	15	60108-710	20 Pack
5,000	25	60108-711	20 Pack
10,000	25	60108-853	20 Pack
10,000	75	60108-712	10 Pack
50,000	150	60108-850	10 Pack
20,000	75	60108-851	10 Pack
70,000	150	60108-852	10 Pack

HyperSep Silica 96 Fixed/Removable Well Plates

Bed Weight (mg)	Well Volume (mL)	Fixed Cat. No.	Removable Cat. No.	Quantity
10	1	60307-231	60300-485	1 Each
25	1	60307-232	60300-486	1 Each
50	1	60307-233	60300-487	1 Each
100	1	60307-234	60300-488	1 Each

HyperSep Acid Wash Silica SPE Cartridges and Plates

HyperSep Acid Wash Silica SPE Cartridges

Bed Weight (mg)	Column Volume (mL)	Cat. No.	Quantity
50	1	60108-901	100 Pack
100	1	60108-902	100 Pack
100	10	60108-903	50 Pack
200	3	60108-904	50 Pack
200	10	60108-905	50 Pack
500	3	60108-906	50 Pack
500	6	60108-907	30 Pack
500	10	60108-908	50 Pack
1,000	6	60108-909	30 Pack
2,000	15	60108-910	20 Pack
5,000	25	60108-911	20 Pack
10,000	75	60108-912	10 Pack

HyperSep Acid Wash Silica 96 Fixed/Removable Well Plates

Bed Weight (mg)	Well Volume (mL)	Fixed Cat. No.	Removable Cat. No.	Quantity
10	1	60307-321	60300-831	1 Each
25	1	60307-322	60300-832	1 Each
50	1	60307-323	60300-833	1 Each
100	1	60307-324	60300-834	1 Each

Applications:

- Extraction of polar compounds including aldehydes, amines, drugs, pesticides and herbicides
- Extraction of carotenoids, fat-soluble vitamins, aflatoxins in food matrices
- Extraction of fatty acids and phospholipids

Applications:

- Extraction of polar compounds from ground, waste and drinking water
- Extraction of polar compounds from food and beverages

HyperSep Phenyl SPE Cartridges and Plates

Offer alternative selectivity for retention of basic compounds

HyperSep Phenyl SPE Cartridges

Bed Weight (mg)	Column Volume (mL)	Cat. No.	Quantity
50	1	60108-516	100 Pack
100	1	60108-386	100 Pack
200	3	60108-387	50 Pack
500	3	60108-388	50 Pack
500	6	60108-389	30 Pack
1,000	6	60108-517	30 Pack
2,000	15	60108-707	20 Pack
5,000	25	60108-708	20 Pack
10,000	75	60108-709	10 Pack

Applications:

- Extraction of aromatic compounds
- Extraction of basic analytes

HyperSep Phenyl 96 Fixed/Removable Well Plates

Bed Weight (mg)	Well Volume (mL)	Fixed Cat. No.	Removable Cat. No.	Quantity
10	1	60307-221	60300-685	1 Each
25	1	60307-222	60300-686	1 Each
50	1	60307-223	60300-687	1 Each
100	1	60307-224	60300-688	1 Each

HyperSep Diol SPE Cartridges and Plates

Ideal for the extraction of polar compounds

HyperSep Diol SPE Cartridges

Bed Weight (mg)	Column Volume (mL)	Cat. No.	Quantity
50	1	60108-571	100 Pack
100	1	60108-572	100 Pack
200	3	60108-573	50 Pack
500	3	60108-574	50 Pack
500	6	60108-575	30 Pack
1,000	6	60108-576	30 Pack
2,000	15	60108-755	20 Pack
5,000	25	60108-756	20 Pack
10,000	75	60108-757	10 Pack

Applications:

- Normal phase extraction of polar compounds
- Purification of polar compounds

HyperSep Diol 96 Fixed/Removable Well Plates

Bed Weight (mg)	Well Volume (mL)	Fixed Cat. No.	Removable Cat. No.	Quantity
10	1	60307-311	60300-630	1 Each
25	1	60307-312	60300-631	1 Each
50	1	60307-313	60300-632	1 Each
100	1	60307-314	60300-633	1 Each

HyperSep Verify CX SPE Cartridges and Plates

Features non-polar and ionic characteristics for improved analysis of drugs of abuse

HyperSep Verify CX SPE Cartridges

Bed Weight (mg)	Column Volume (mL)	Cat. No.	Quantity
50	1	60108-741	100 Pack
130	1	60108-719	100 Pack
130	10	60108-769	50 Pack
200	3	60108-777	50 Pack
200	6	60108-722	50 Pack
200	10	60108-742	50 Pack
300	3	60108-720	50 Pack
500	3	60108-721	50 Pack
500	6	60108-723	30 Pack
1,000	6	60108-724	30 Pack

Applications:

- Analysis of a wide range of drugs of abuse from biological matrices, including basic and neutral drugs

HyperSep Verify CX 96 Fixed/Removable Well Plates

Bed Weight (mg)	Well Volume (mL)	Fixed Cat. No.	Removable Cat. No.	Quantity
10	1	60307-261	60300-805	1 Each
25	1	60307-262	60300-806	1 Each
50	1	60307-263	60300-807	1 Each
100	1	60307-264	60300-808	1 Each

HyperSep Verify AX SPE Cartridges and Plates

Features non-polar and ionic characteristics for improved analysis of acidic drugs and metabolites

HyperSep Verify AX SPE Cartridges

Bed Weight (mg)	Column Volume (mL)	Cat. No.	Quantity
130	1	60108-727	100 Pack
130	10	60108-767	50 Pack
200	3	60108-768	30 Pack
200	6	60108-730	50 Pack
200	10	60108-764	50 Pack
300	3	60108-728	50 Pack
500	3	60108-729	50 Pack
500	6	60108-731	30 Pack
1,000	6	60108-732	30 Pack

Applications:

- Analysis of THC and its metabolites

HyperSep Verify AX 96 Fixed/Removable Well Plates

Bed Weight (mg)	Well Volume (mL)	Fixed Cat. No.	Removable Cat. No.	Quantity
10	1	60307-271	60300-813	1 Each
25	1	60307-272	60300-814	1 Each
50	1	60307-273	60300-815	1 Each
100	1	60307-274	60300-816	1 Each

HyperSep Strong Cation Exchanger (SCX) SPE Cartridges and Plates

A strong cation exchange sorbent for extraction of charged basic compounds

HyperSep Strong Cation Exchanger (SCX) SPE Cartridges

Bed Weight (mg)	Column Volume (mL)	Cat. No.	Quantity
50	1	60108-420	100 Pack
100	1	60108-421	100 Pack
200	3	60108-422	50 Pack
500	3	60108-423	50 Pack
500	6	60108-520	30 Pack
1,000	6	60108-433	30 Pack
2,000	15	60108-716	20 Pack
5,000	25	60108-717	20 Pack
10,000	75	60108-718	10 Pack
20,000	75	60108-857	10 Pack
50,000	150	60108-858	10 Pack

Applications:

- Isolation of cationic compounds from complex samples
- Removal of basic drugs
- Organic bases
- Nucleic acid bases, nucleotides and surfactants

HyperSep Strong Cation Exchanger (SCX) 96 Fixed/Removable Well Plates

Bed Weight (mg)	Well Volume (mL)	Fixed Cat. No.	Removable Cat. No.	Quantity
10	1	60307-251	60300-585	1 Each
25	1	60307-252	60300-586	1 Each
50	1	60307-253	60300-587	1 Each
100	1	60307-254	60300-588	1 Each

HyperSep Strong Anion Exchanger (SAX) SPE Cartridges and Plates

Strong anion exchange sorbent for extraction of weak acids

HyperSep Strong Anion Exchanger (SAX) SPE Cartridges

Bed Weight (mg)	Column Volume (mL)	Cat. No.	Quantity
50	1	60108-417	100 Pack
100	1	60108-418	100 Pack
200	3	60108-419	50 Pack
500	3	60108-521	50 Pack
500	6	60108-360	30 Pack
1,000	6	60108-434	30 Pack
2,000	15	60108-713	20 Pack
5,000	25	60108-714	20 Pack
10,000	75	60108-715	10 Pack

Applications:

- Isolation of anionic compounds from complex samples
- Removal of acidic food pigments
- Isolation of phenolic compounds
- Nucleic acids, nucleotides and surfactants

HyperSep Strong Anion Exchanger (SAX) 96 Fixed/Removable Well Plates

Bed Weight (mg)	Well Volume (mL)	Fixed Cat. No.	Removable Cat. No.	Quantity
10	1	60307-241	60300-565	1 Each
25	1	60307-242	60300-566	1 Each
50	1	60307-243	60300-567	1 Each
100	1	60307-244	60300-568	1 Each

HyperSep Carboxylic Acid (WCX) SPE Cartridges and Plates

Weak cation exchange sorbent for extraction of strong bases

HyperSep Carboxylic Acid (WCX) SPE Cartridges

Bed Weight (mg)	Column Volume (mL)	Cat. No.	Quantity
50	1	60108-201	100 Pack
100	1	60108-202	100 Pack
200	3	60108-203	50 Pack
200	10	60108-207	50 Pack
500	3	60108-204	50 Pack
500	6	60108-205	30 Pack
1,000	6	60108-206	30 Pack
2,000	15	60108-208	20 Pack
5,000	25	60108-209	20 Pack

Applications:

- Drugs and metabolites in biological fluids
- Peptides in serum, plasma or biological fluids
- Pesticides in water, food and beverages
- Nucleic acids, nucleotides and surfactants

HyperSep Carboxylic Acid (WCX) 96 Fixed/Removable Well Plates

Bed Weight (mg)	Well Volume (mL)	Fixed Cat. No.	Removable Cat. No.	Quantity
10	1	60307-331	60300-841	1 Each
25	1	60307-332	60300-842	1 Each
50	1	60307-333	60300-843	1 Each
100	1	60307-334	60300-844	1 Each

HyperSep Aminopropyl (WAX) SPE Cartridges and Plates

Weak anion exchange sorbent for extraction of strong acids

HyperSep Aminopropyl (WAX) SPE Cartridges

Bed Weight (mg)	Column Volume (mL)	Cat. No.	Quantity
50	1	60108-424	100 Pack
50	3	60108-429	50 Pack
100	1	60108-364	100 Pack
200	3	60108-425	50 Pack
500	3	60108-518	50 Pack
500	6	60108-519	30 Pack
1,000	6	60108-432	30 Pack
2,000	15	60108-738	20 Pack
5,000	25	60108-739	20 Pack
10,000	75	60108-740	10 Pack

Applications:

- Separation of structural isomers
- Drugs and metabolites in biological fluids
- Separation of saccharides, phenols and petroleum products

HyperSep Aminopropyl (WAX) 96 Fixed/Removable Well Plates

Bed Weight (mg)	Well Volume (mL)	Fixed Cat. No.	Removable Cat. No.	Quantity
10	1	60307-291	60300-505	1 Each
25	1	60307-292	60300-506	1 Each
50	1	60307-293	60300-507	1 Each
100	1	60307-294	60300-508	1 Each

HyperSep Florisil SPE Cartridges and Plates

Ideal for the isolation of polar compounds from non-polar matrices

HyperSep Florisil SPE Cartridges

Bed Weight (mg)	Column Volume (mL)	Cat. No.	Quantity
50	1	60108-402	100 Pack
100	1	60108-403	100 Pack
200	3	60108-404	50 Pack
500	3	60108-405	50 Pack
500	6	60108-500	30 Pack
1,000	6	60108-431	30 Pack
2,000	6	60108-758	30 Pack
2,000	15	60108-735	20 Pack
5,000	25	60108-736	20 Pack
10,000	75	60108-737	10 Pack

HyperSep Florisil 96 Fixed/Removable Well Plates

Bed Weight (mg)	Well Volume (mL)	Fixed Cat. No.	Removable Cat. No.	Quantity
10	1	60307-281	60300-725	1 Each
25	1	60307-282	60300-726	1 Each
50	1	60307-283	60300-727	1 Each
100	1	60307-284	60300-728	1 Each

HyperSep Cyano SPE Cartridges and Plates

Optimized for the retention of moderately polar compounds from non-polar matrices

HyperSep Cyano SPE Cartridges

Bed Weight (mg)	Column Volume (mL)	Cat. No.	Quantity
50	1	60108-746	100 Pack
100	1	60108-745	100 Pack
200	3	60108-747	50 Pack
500	3	60108-748	50 Pack
500	6	60108-749	30 Pack
1,000	6	60108-750	30 Pack
2,000	15	60108-751	20 Pack
5,000	25	60108-752	20 Pack
10,000	75	60108-753	10 Pack

HyperSep Cyano 96 Fixed/Removable Well Plates

Bed Weight (mg)	Well Volume (mL)	Fixed Cat. No.	Removable Cat. No.	Quantity
10	1	60307-301	60300-821	1 Each
25	1	60307-302	60300-822	1 Each
50	1	60307-303	60300-823	1 Each
100	1	60307-304	60300-824	1 Each



Applications:

- Extraction of pesticides using official methods
- Polychlorinated biphenyls in transformer oil
- Alcohol, aldehydes, amines and drugs

Applications:

- Retaining polar compounds from hexane and oils
- Reversed phase extraction of moderately polar compounds

Resources

for Chromatographers



Chromatography Resource Center

Our web-based resource center provides technical support, applications, technical tips and literature to help move your separations forward.

Visit www.thermoscientific.com/chromatography

How to order

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