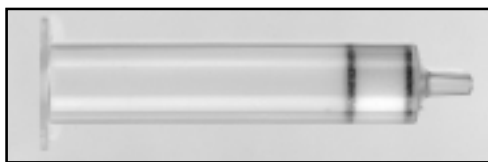
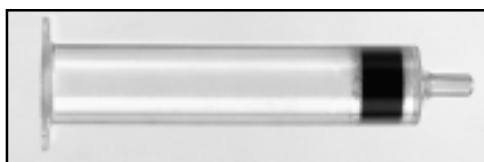


Supelclean™ Solid Phase Extraction Tubes

Product Specification



912-0348



912-0349

Silica-Based Packing – 40µm particles, 60Å pores, polyethylene frits (except where noted).

Description	1mL 100mg pk/108	3mL 500mg pk/27	3mL 500mg pk/54	6mL 500mg pk/20	6mL 500mg pk/30	6mL 1g pk/30	12mL 2g pk/20	20mL 5g pk/20	60mL 10g pk/16
LC-Si silica gel with no bonded phase For extraction of polar compounds, such as alcohols, aldehydes, amines, drugs, dyes, herbicides, pesticides, ketones, nitro compounds, organic acids, phenols, steroids.	504041	—	505048	—	505374	57051	57116	57133	57134
LC-4* butyldimethyl bonded, endcapped silica (500Å pores) Less hydrophobic than LC-8 or LC-18. For extraction of peptides and proteins.	—	—	57089	—	—	—	—	—	—
LC-8* octyl bonded, endcapped silica For reversed phase extraction of nonpolar to moderately polar compounds, such as antibiotics, barbiturates, benzodiazepines, caffeine, drugs, dyes, essential oils, fat soluble vitamins, fungicides, herbicides, pesticides, hydrocarbons, parabens, phenols, phthalate esters, steroids, surfactants, theophylline, water soluble vitamins.	504157	—	505145	—	57052	—	—	—	—
ENVI™-8 octyl bonded, endcapped silica Higher phase coverage, greater resistance to extreme pH conditions, and slightly higher capacity for nonpolar compounds. For reversed phase barbiturates, benzodiazepines, caffeine, drugs, dyes, essential oils, fat soluble vitamins, fungicides, herbicides, pesticides, PNAs, hydrocarbons, parabens, phenols, phthalate esters, steroids, surfactants, theophylline, water soluble vitamins.	57230-U	—	57231	—	57232	57233	—	57139	57140-U
	Glass	—	57106**	—	57107**	—	—	—	—
LC-18* octadecyl bonded, endcapped silica For reversed phase extraction of nonpolar to moderately polar compounds, such as antibiotics, barbiturates, benzodiazepines, caffeine, drugs, dyes, essential oils, fat soluble vitamins, fungicides, herbicides, pesticides, hydrocarbons, parabens, phenols, phthalate esters, steroids, surfactants, theophylline, water soluble vitamins.	504270	—	57012	—	57054	505471	57117	57135-U	57136
ENVI-18 octadecyl bonded, endcapped silica Higher phase coverage, greater resistance to extreme pH conditions, and slightly higher capacity for nonpolar compounds. For reversed phase extraction of nonpolar to moderately polar compounds, such as antibiotics, caffeine, drugs, dyes, essential oils, fat soluble vitamins, fungicides, herbicides, pesticides, PNAs, hydrocarbons, parabens, phenols, phthalate esters, steroids, surfactants, water soluble vitamins	57062	—	57063	—	57064	505706	57114	57137	57138
LC-CN* cyanopropyl bonded, endcapped silica For reversed phase extraction of moderately polar compounds, normal phase extraction of polar compounds, such as aflatoxins, antibiotics, dyes, herbicides, pesticides, phenols, steroids. Weak cation exchange for carbohydrates and cationic compounds.	504386	—	57013	—	57056	—	—	57141	57142
LC-Diol* diol bonded silica For normal phase extraction of polar compounds.	504718	—	57016	—	—	—	—	—	—
LC-NH₂* aminopropyl bonded silica For normal phase extraction of polar compounds, weak anion exchange for carbohydrates, weak anions, and organic acids.	504483	—	57014	—	—	—	—	—	—
LC-Ph* phenyl bonded silica Slightly less retention than C18 or C8 material. For reversed phase extraction of nonpolar to moderately polar compounds, especially aromatic compounds.	504599	—	505269	—	—	—	—	—	—
LC-SAX quaternary amine bonded silica with Cl counter ion For strong anion exchange for anions, organic acids, nucleic acids, nucleotides, surfactants. Capacity: 0.2meq/g.	504815	—	57017	—	—	—	—	—	—
LC-SCX sulfonic acid bonded silica For strong cation exchange for cations, antibiotics, drugs, organic bases, amino acids, catecholamines, herbicides, nucleic acid bases, nucleosides, surfactants. Capacity: 0.2meq/g.	504920	—	57018	—	—	—	—	—	—
LC-WCX weak cation exchanger bonded to silica For weak cations, amines, antibiotics, drugs, amino acids, catecholamines, nucleic acid bases, nucleosides, surfactants.	505595	—	57061	—	—	—	—	—	—
Hisep™ polymeric surface with hydrophobic regions, enclaved by a hydrophilic network For exclusion of proteins in biological samples; retains small molecules such as drugs.	—	—	57076-U**	—	—	—	—	—	—

* Prolonged contact with solutions at or below pH 2 may cause damage to the silica or phase stripping.

** Teflon frits

Alumina-Based Packing

Crystalline, chromatographic grade alumina, irregular particles, 60/325 mesh, polyethylene frits.

Description	3mL, 1g pk/54	6mL, 2g pk/30
LC-Alumina-A acid pH For anion exchange and adsorption extraction of polar compounds, such as vitamins.	57082-U	57083-U
LC-Alumina-B basic pH For adsorption extraction of polar compounds, cation exchange.	57084	57085
LC-Alumina-N neutral pH For adsorption extraction of polar compounds. With pH adjustment, cation or anion exchange. For extraction of vitamins, antibiotics, essential oils, enzymes, glycosides, hormones.	57086	57087

Florisil®-Based Packing

Magnesium silicate, 100/200 mesh particles, polyethylene frits (except where noted).

Description	3mL, 500mg pk/54	6mL, 500mg pk/30	6mL, 1g pk/30	12mL, 2g pk/20	20mL, 5g pk/20	60mL, 10g pk/16
LC-Florisil For adsorption extraction of polar compounds, such as alcohols, aldehydes, amines, drugs, dyes, herbicides, pesticides, PCBs, ketones, nitro compounds, organic acids, phenols, steroids.	—	—	57057	57115	57131	57132
ENVI-Florisil Contain stainless steel or Teflon frits, required by US Environmental Protection Agency Contract Laboratory Program (CLP) pesticide method. For adsorption extraction of polar compounds, such as alcohols, aldehydes, amines, drugs, dyes, herbicides, pesticides, PCBs, ketones, nitro compounds, organic acids, phenols, steroids.	57058**	57046 [▲]	57053 [▲]	—	—	—
** Teflon frits	▲Stainless steel frits					

Graphitized Carbon-Based Packing

No bonded phase, 120/400 mesh particles, polyethylene frits.

Description	3mL, 250mg pk/54	6mL, 250mg pk/30	6mL, 500mg pk/30	12mL, 1g pk/20	12mL, 2g pk/20	20mL, 5g pk/20	60mL, 10g pk/16
ENVI™-Carb Nonporous. For adsorption extraction of polar and nonpolar compounds. Surface area 100m ² /g.	57088	57092	57094	57127-U	57128	57129	57130
ENVI-Carb C Nonporous. For adsorption extraction of polar and nonpolar compounds. Surface area 10m ² /g.	—	—	—	57149	—	—	—

Resin-Based Packing

80-160µm spherical particles, polyethylene frits.

Description	1mL, 100mg pk/106	3mL, 250mg pk/54	6mL, 250mg pk/30	6mL, 500mg pk/30
ENVI-Chrom P Highly crosslinked, nonionic, specially cleaned styrene-divinyl benzene resin. Very high surface area, mean pore size 110 - 175Å. Developed for extraction of polar aromatic compounds such as phenols from aqueous samples. Also for adsorption extraction of nonpolar to midpolar aromatic compounds	57143	57224	57225-U	57226

Trademarks

ENVI, Hisep, Supelclean — Sigma-Aldrich Co.
Florisil — U.S. Silica Co.
Teflon — E. I. du Pont de Nemours & Co., Inc.

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