



Luna LC Columns

Luna LC Columns provide you with the highest level of satisfaction for your chromatographic goals.

Explore resolution with the 10 unique Luna selectivities and find your next selectivity tool. Combined with high surface area (400 m²/g) particles, the Luna family of columns offers an excellent HPLC performance for a wide range of chromatographic applications.

- Extensive line of rugged USP and Ph. Eur. phases
- Wide range of selectivities available
- Easy method scalability from HPLC to preparative and bulk purification LC

USP Phases for Virtually Every Application

USP Column Classification	Phase	Description	Common Applications
L1	C18(2)	2.5, 3, 5, 10, 10- <i>PREP</i> , 15 μm C18 phase. Excellent efficiency, peak shape and resolution. Slightly lower carbon load than original Luna C18.	Acetaminophen, Aspirin, Caffeine, Albuterol, Amitriptyline Hydrochloride, Amoxicillin, Atenolol, Cephalexin, Cephadrine capsules, Chloramphenicol, Cortisone Acetate, Dextromethorphan, Diphenhydramine, Pseudoephedrine, Dopamine, Estradiol, Guaifenesin, Ibuprofen, Sterile Imipenem, Imipramine, Lidocaine, Lorazepam, Minoxidil, Naproxen, Phenylephrine Hydrochloride, Phenylpropanolamine, Prednisone oral solution, Procainamide, Propoxyphene, Reserpine, Alprazolam, Hydrocodone bitartrate, Hydrocortisone, Fat Soluble Vitamins, Phthalates, Fatty Acids, Lutein, Lycopene, Estradiol
L3	Silica(2)	3, 5, 10 μm Ultra-pure silica with high column bed stability enhanced by particle shape uniformity.	Doxepine, Doxylamine succinate, Fluoxetine, Glyburide, Ibuprofen Oral Suspension, Propranolol, Levonorgestrel, Ethinyl estradiol, Melengestrol acetate, Glucosamine
L7	C8(2)	3, 5, 10, 10- <i>PREP</i> , 15 μm C8 phase for excellent efficiency, peak shape and resolution. Significantly improved performance over traditional C8 phases due to high surface coverage.	Simple sugars, Carboplatin, Lactulose concentrate, Levocarnitine tablets
L8	NH ₂	3, 5, 10 μm Amino phase. Can be used in reversed or normal phase modes. Stable from pH 1.5 to 11.0 and under 100% aqueous conditions. High performance silica and bonding techniques produce a rugged, highly reproducible column.	Cough and cold compounds, Raclopride, Sodium Acetate, Erythromycin
L9	SCX	5, 10 μm A Benzene Sulfonic Acid bonded phase is used to make this Strong Cation Exchange (SCX) column. Offers great peak shape and resolution.	Benzalkonium Chloride, Nortriptyline HCl Capsules, Prednisolone, Tetracaine, Quinapril tablets
L10	CN	3, 5, 10 μm Cyano phase. Can be used as reversed or normal phase material. The use of Luna base silica results in overall phase reproducibility and performance.	Oxacillin, Captopril, Chlorpheniramine, Pseudoephedrine, Methadone Hydrochloride Oral Concentration
L11	Phenyl-Hexyl	3, 5, 10, 10- <i>PREP</i> , 15 μm A phenyl phase which employs a hexyl alkyl linker as opposed to the traditional propyl chain. Offers great stability as well as alternative selectivity.	Drug metabolites, Water soluble vitamins, Melamine, Cyanuric acid, Metanephrine, Normetanephrine
L20	HILIC	3, 5 μm HILIC phase that provides excellent selectivity for polar compounds; and improved MS sensitivity with low bleed.	Positional isomers, Geometric isomers, Taxanes, Aflatoxins
L43	PFP(2)	3, 5 μm A pentafluorophenyl phase that provides excellent selectivity for aromatic compounds from influence of fluorine substitution on phenyl ring. Multiple retention mechanisms. Orthogonal selectivity to traditional C18 phases.	

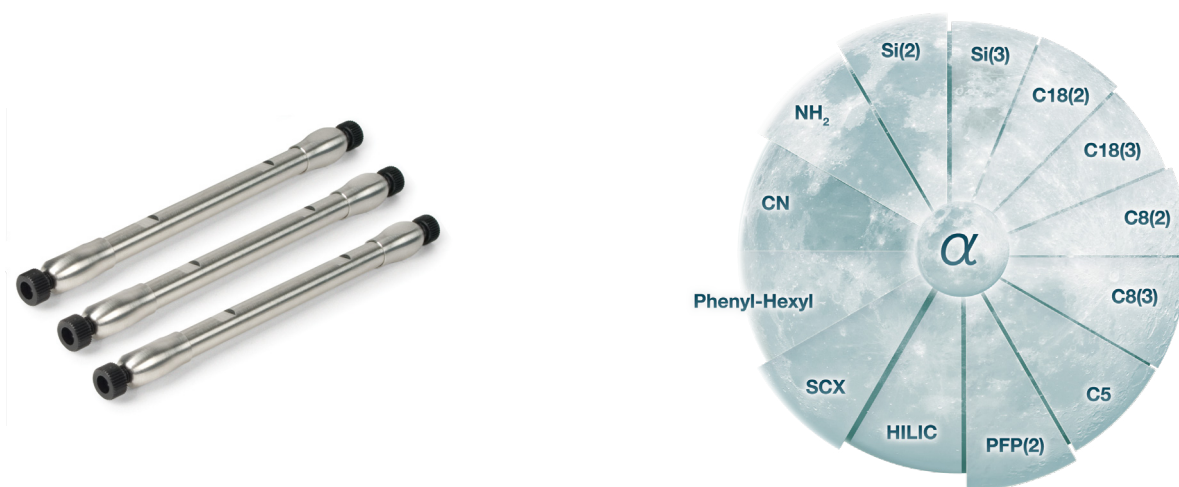


Explore Successful Separations

Your success begins with our commitment to provide the essential solutions to HPLC separations in the Luna brand. Some of the highest quality and performance standards are incorporated into Luna products, making them an indispensable platform for all areas of HPLC.

Explore Resolution with Luna Selectivities

Phase selectivity has the strongest impact on overall chromatographic resolution. Choosing the optimal selectivity can drive your separation to success. Luna phases span through 10 different chemistries, each offering its own unique selectivity.



Luna Bonded Phase Selectivity Chart

Luna Phases	Description	Particle Sizes (µm)	Pore Size (Å)	Surface Area (m ² /g)	Carbon Load (%)	pH Stability	Reversed Phase	Normal Phase	HILIC	IEX	USP Column Classification
Silica(2)	Unbonded silica	3, 5, 10, 10-PREP, 15	100	400	—	2.0 - 7.5		☾	☾		L3
Silica(3)	Unbonded silica	10-PREP	100	400	—	2.0 - 7.5		☾	☾		L3
C5	5 Carbon ligand	5, 10	100	440	12.5	1.5 - 9.0*	☾				—
C8(2)	C8 ligand optimized for improved peak shape	3, 5, 10, 10-PREP, 15	100	400	13.5	1.5 - 9.0*	☾				L7
C8(3)	C8 ligand optimized for improved peak shape	10-PREP	100	400	13	1.5 - 9.0*	☾				L7
C18(2)	C18 ligand optimized for improved peak shape	2.5, 3, 5, 10, 10-PREP, 15	100	400	17.5	1.5 - 9.0*	☾				L1
C18(3)	C18 ligand optimized for improved peak shape	10-PREP	100	400	17	1.5 - 9.0*	☾				L1
CN	Versatile CN phase	3, 5, 10	100	400	7.0	1.5 - 7.0	☾	☾			L10
NH₂	Rugged and reproducible NH ₂	3, 5, 10	100	400	9.5	1.5 - 11	☾	☾	☾	☾	L8
Phenyl-Hexyl	Phenyl phase attached to C6 (hexyl) ligand	3, 5, 10, 10-PREP, 15	100	400	17.5	1.5 - 9.0*	☾				L11
SCX	Benzene sulfonic acid	5, 10	100	400	Binding Capacity: 0.15 meq/g	2.0 - 7.0				☾	L9
HILIC	Reproducible, cross-linked diol	3, 5	200	200	5.7	1.5 - 8.0			☾		L20
PFP(2)	Pentafluorophenyl with a C3 (propyl) linkage	3, 5	100	400	11.5	1.5 - 8.0	☾		☾		L43



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