



HPLC/UHPLC/UPLC columns Selection Guide

更纯净，更美好！

The Purer, The Better



WePure WeChat Official

微纯生物科技（广州）有限公司
WePure Biotech (Guangzhou) Co., Ltd.

About WePure Biotech

WePure Biotech a National High-Tech Enterprise and a Guangzhou Specialized, Refined, Distinctive, and Innovative Enterprise, dedicated to 'Becoming an excellent supplier of Global Analysis, Testing, Separation & Purification Solution'.

The company's main products include MicroPulite' analytical Columns, BioPulite' Bioanalytical column, PrePulite' SemiPrep Columns/Semi-prep and industrial Preparative Material, Upulite' Sample Pre-Prep Packing Media/SPE, and WeChromlite' Guard Column of analytical /Semi-Prep column.

As one of the few global manufacturers with comprehensive expertise in both silica-based and resin-based chromatographic filler production technologies, our team brings over 20 years of industry experience and extensive application development knowledge. We maintain a complete industrial chain, from raw material synthesis (silica/resin microspheres) to internationally advanced surface bonding/modification processes, and production of analytical/semi-prep columns and preparative Packing Media. We provide high-quality, cost-effective, stable-supply, and fast-delivery products and services to industries such as pharmaceutical manufacturing, biotechnology, food safety, chemical production, and environmental testing.

BioPulite®系列



Bioanalytical column

MicroPulite®



Analytical Columns

PrePulite®



Industrial Preparative Packing Material

PrePulite®



Semi-Prep Packing/Semi-Prep Columns

Upulite®



Sample Pre-Prep Packing Material/SPE

WeChromlite®



Guard Column of analytical /Semi-Prep column

WePure Biotech's three technology platforms



1, Stable porous microsphere syntheses technology

WePure can produce microsphere in a stable and large scale, includes 1.7 μ m-100 μ m high-purity silica, organic-inorganic structure hybrid silica (XP) and high-strength silica (HSS), inorganic-inorganic structure hybridized SiZ microspheres and so on.



2, Advanced surface modification technology

WePure provides triple bond C18/C8, double bond C18/C8, single bond C18/C8, NH₂, Amide, Hexyl-Phenyl, Fluoro-Phenyl (PFP), Diol, RP18/18 Plus, PHS charged modification technology, unique T3 bond technology, mix mode bond technology, meet the needs of analysis, separation and purification.



3, High efficient and stable columns packing platform

WePure products cover UPLC, UHPLC, HPLC and semi-preparative columns, with stable production technology and strict testing, ensure excellent stability and reproducibility of column to column, batch to batch.

Our facilities include:

- A 1,950 m² R&D, production, and application development base in the Guangdong Medical Valley National Incubation Park (Nansha, Guangzhou).
- A subsidiary with a 5,000 m² plant for large-scale production of preparative chromatographic packing media.
- A 26,000 m² self-built production base in the Wengyuan Innovation API Industrial Park (Guangdong), launched in December 2023, expected to commence operations in Q1 2026. This facility will produce 25,000 kg of silica-based fillers, 10,000 kg of resin-based packing media, and 50 tons of functional microsphere materials annually.



“WePure” Headquarter located in Guangdong

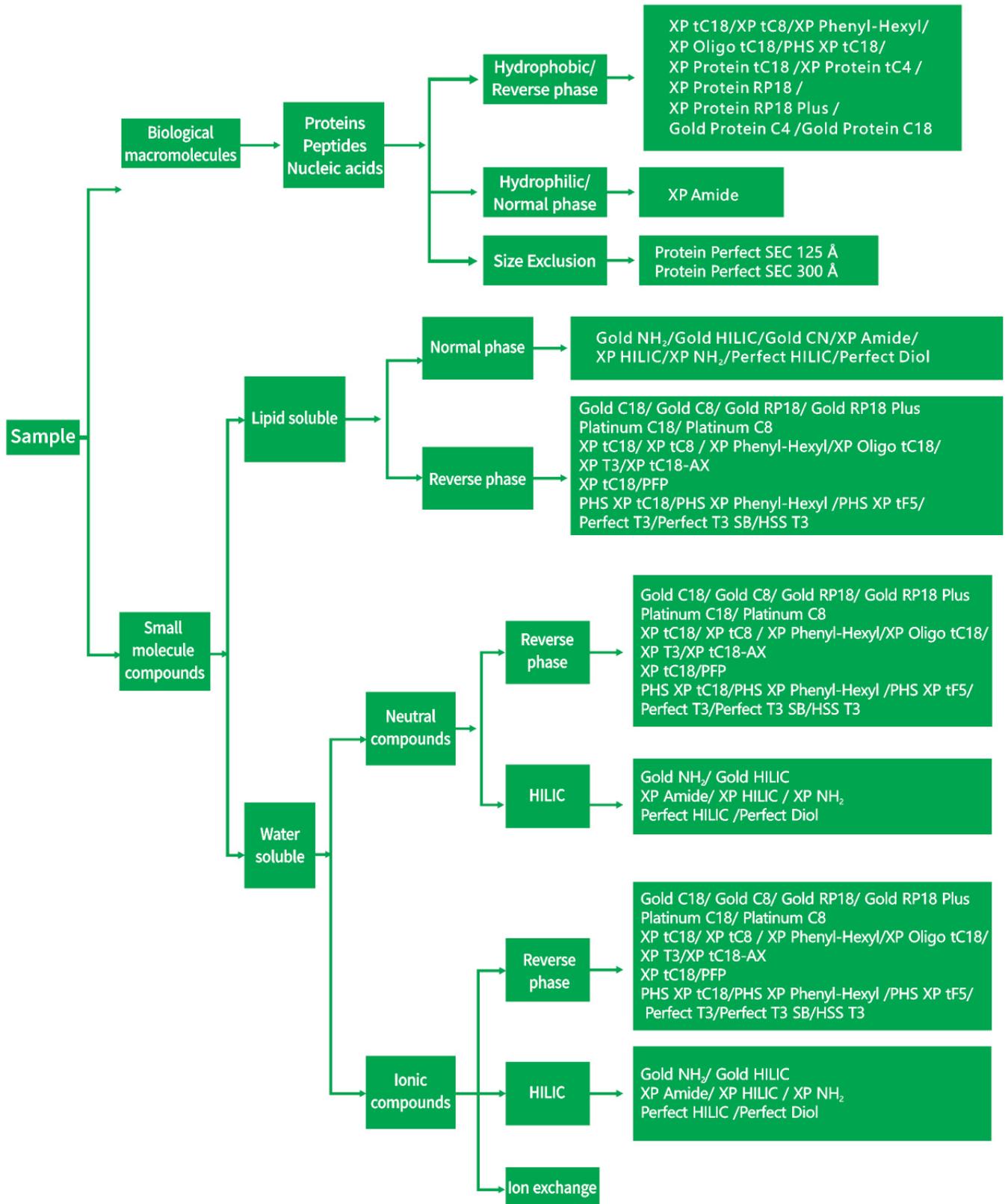


“WePure” production base in Foshan



“WePure” production base in Shaoguan Guangdong

Columns Selection Guide



HPLC/UHPLC Series	Stationary Phase	Specificities	Parameter	Application Examples
MicroPulite® Gold	C18 (L1)	<ul style="list-style-type: none"> ●Octadecyl silane chemically bonded to porous silica particles ●General ,Cost-effective C18 columns ●Good batch-to-batch stability and reproducibility ●Better peak shape for basic compounds, used in pharma, food, environment and other fields 	Pore Size:120 Å pH Range:2-8 Carbon Load:18% Temperature Limits: 60°C (Low pH) 40°C (High pH)	Pharma: Oxybutynin chloride, Acetaminophen, Hydrocodone bitartrate, Clonazepam, Cimetidine Content Determination: Croton Cream, Atractylodes macrocephala, Rhubarb, Tanshinone, Licorice, Pueraria lobata, Phellodendron, Astragalus membran, isoflavone glucoside, Centella , Phenolic Acids in Honeysuckle, Aloe vera, Phellodendron, Poria cocos, Cuscuta, Total Flavonols of Epimedium Brevicornum Maxim , Mangiferin, Gardenia, Polygoni Multiflori, loquat leaf Content Determination of Chinese Medicine Granules: Paeoniae Alba, Paeoniae , Lilium , Tribulus Terrestris , Pseudostellariae , Artichoke , Salviae Miltiorrhizae , Polygonatum Officinale , Cistanches, Miltiorrhizae , Cynanchum officinale , Morus alba, Odorati, Rhizoma Polygonati, Polygonati, officinale, Coix lacryma, Fritillary, Perilla Characteristic chromatogram of Chinese Medicine Granules: Honeysuckle, Acacia , Fritillaria , Papaya food /environment: EDTA disodium , L-Tryptophan
	C8 (L7)	<ul style="list-style-type: none"> ●Octylsilane chemically bonded to totally porous silica particles ●General, Cost-effective C8 column ●Less retentive than C18, suitable for the analysis of compounds with larger molecular weight ●Better peak shapes for basic compounds, mainly used in the pharmaceuticals industry 	Pore Size:120 Å pH Range:2-8 Carbon Load:12% Temperature Limits: 60°C (Low pH) 40°C (High pH)	Pharma: Mycophenolate mofetil , Dextromethorphan , Naproxen , Triprolidine Hydrochloride , Cyproheptadine hydrochloride , Oseltamivirphosphate Colchicine, Compound licorice tablets food /environment: Fatty Acid
	C4 (L26)	<ul style="list-style-type: none"> ●Butyl silane chemically bonded to totally porous silica particles ●Less retentive than C18 and C8, different selectivity for larger molecular compound ●Analysis large molecular compound, such as proteins 	Pore Size:120 Å pH Range:2-8 Carbon Load:3.9% Temperature Limits: 60°C (Low pH) 40°C (High pH)	Pharma: Expect reduced retention and faster analysis of small molecules, but also biomolecules such as proteins
	RP18 (L1)	<ul style="list-style-type: none"> ●Octadecyl silane chemically bonded to porous silica particles with embedded polar groups ●Compatible with 100% aqueous mobile phase ●Trifunctional C18, more stable and less column bleeding 	Pore Size:120 Å pH Range:1-8 Carbon Load:20% Temperature Limits: 60°C (Low pH) 40°C (High pH)	Pharma: Phenylboronic Acid
	RP18 Plus (L1)	<ul style="list-style-type: none"> ●Octadecyl silane chemically bonded to porous silica particles with embedded polar groups ●Compatible with 100% aqueous mobile phase ●Selectivity different from Gold C18, suitable for polyhydroxyl compounds and improve the peak shape of basic compounds 	Pore Size:120 Å pH Range:2-8 Carbon Load:17% Temperature Limits: 60°C (Low pH) 40°C (High pH)	Pharma: Phenylboronic Acid, Theophylline , Theobromine , Metronidazole , Ranitidine Content Determination: Tanshinon, Lamiophlomis Herba food /environment: Polycyclic aromatic hydrocarbons (PAHs)

HPLC/UHPLC Series	Stationary Phase	Specificities	Parameter	Application Examples
MicroPulite® Gold	RP8 Plus (L7)	<ul style="list-style-type: none"> ●Octylsilane chemically bonded to totally porous silica particles with embedded polar groups ●Compatible with 100% aqueous mobile phase ●Weaker retention capacity compared to C18 ●Separation the compounds with larger molecular weight 	Pore Size: 120 Å pH Range: 2-8 Carbon Load: 15% Temperature Limits: 60°C (Low pH) 40°C (High pH)	Pharma: Naltrexone , Oxycodone , Codeine
	RP4 Plus (L26)	<ul style="list-style-type: none"> ●Butyl silane chemically bonded to totally porous silica particles with embedded polar groups ●Compatible with 100% aqueous mobile phase ●Analysis large molecular, such as proteins; selectivity different from C4 	Pore Size: 120 Å pH Range: 2-8 Carbon Load: 3.9% Temperature Limits: 60°C (Low pH) 40°C (High pH)	Pharma: Expect reduced retention and faster analysis of small molecules, but also biomolecules such as proteins
	NH ₂ (L8)	<ul style="list-style-type: none"> ●Aminopropylsilane chemically bonded to totally porous silica particles ●General NH₂ column ●Can be used in normal phase and HILIC, and HILIC separate monosaccharides, disaccharides and polysaccharides, normal phase separate steroids 	Pore Size: 120 Å pH Range: 2-8 Carbon Load: 3.8% Temperature Limits: 60°C (Low pH) 40°C (High pH)	Pharma: Fosfomycin Trometamolium, Levocarnitine Oral Solution, Glycyl Glutamine , Glutamine Dipeptide Food/environment: Sugar and Sugar Alcohol
	HILIC (L3)	<ul style="list-style-type: none"> ●Porous silica particles ●HILIC can enhance the retention of polar compounds ,suitable for analyzing compounds that have no or weak retention on C18 ●Can be used in normal-phase 	Pore Size: 120 Å pH Range: 2-7 Temperature Limits: 60°C (Low pH) 40°C (High pH)	Food/environment: Analysis of five phospholipids in soybean phospholipids
	Phenyl - Hexyl (L11)	<ul style="list-style-type: none"> ●Pheny groups chemically bonded to porous silica particles ●Selectivity different from straight-chain alkane columns such as C18 or C8 ●Different selectivity towards aromatic compounds, amines, and polar compounds 	Pore Size: 120 Å pH Range: 2-8 Carbon Load: 13% Temperature Limits: 60°C (Low pH) 40°C (High pH)	Pharma: Etoposide, Benzyl 4-hydroxybenzoate, Alprazolam, Benorilate, Cefoxitin Sodium, 2-Hydroxypropyl-β-cyclodextrin, Butorphanol Tartrate
	PFP (L43)	<ul style="list-style-type: none"> ●Pentafluorophenyl groups chemically bonded to silica particles ●Unique selectivity , influenced by hydrogen bonding, dipole-dipole interactions, aromatic and π-π interactions, and hydrophobic effects ●Suitable for aromatic compounds, halogenated compounds, isomer, and so on ●Enhance the retention of polar compounds 	Pore Size: 120 Å pH Range: 2-8 Carbon Load: 10% Temperature Limits: 60°C (Low pH) 40°C (High pH)	Pharma: Isomer analysis in the analysis of pharmaceutical impurities
	CN (L10)	<ul style="list-style-type: none"> ●Nitrile groups chemically bonded to silica particles ●Both normal-phase and reversed-phase separation ●Selectivity towards compounds containing carboxyl, carbonyl, and amine groups 	Pore Size: 120 Å pH Range: 2-8 Carbon Load: 5% Temperature Limits: 45°C (Low pH) 45°C (High pH)	Pharma: Levothyroxine Sodium, Remifentanil Hydrochloride, Ondansetron Hydrochloride, Diphenhydramine Hydrochloride

HPLC/UHPLC Series	Stationary Phase	Specificities	Parameter	Application Examples
MicroPulite® Platinum	C18 (L1)	<ul style="list-style-type: none"> ●Octadecyl silane chemically bonded to porous silica particles ●Large surface area and high loading capacity ●Offers better separation and symmetric peak shapes for acidic, neutral, and basic compounds in low to medium pH mobile phase 	Pore Size:100 Å pH Range:1-8 Carbon Load:16% Temperature Limits: 50°C (Low pH) 40°C (High pH)	Pharma: Content Determination: aconiti lateralis preparata, Josamycin, Magnoliae officinalis cortex, Breviscapin, Nicardipine hydrochloride, Total flavonol glycosides, Quetiapine, Martynoside Related substances: Folic acid, Ambroxol hydrochloride, Levofloxacin HCL and sodium chloride injection , Paclitaxel injection Food/environment: Coloring agent
	C8 (L7)	<ul style="list-style-type: none"> ●Octylsilane chemically bonded to totally porous silica particles ●Less retentive than C18 ●Better separation and excellent peak shapes for acidic, neutral, and basic compounds in low to medium pH mobile phase 	Pore Size:100 Å pH Range:1-8 Carbon Load:12% Temperature Limits: 40°C (Low pH) 40°C (High pH)	Pharma: Anemarsaponin
MicroPulite® XP	tC18 (L1)	<ul style="list-style-type: none"> ●Octadecyl silane chemically bonded to porous hybrid silica particles ●General column ,unique hybrid structure enhances pH and temperature tolerance,suitable for method development ●Incorporates patented trifunctional C18,provide excellent peak shapes ●Longer column life 	Pore Size:130 Å pH:1-12 Carbon Load:18% Temperature Limits: 80°C (Low pH) 60°C (High pH)	Pharma: Drug-related substance method development : Trazodone Hydrochloride Tablets,Azithromycin, Pantoprazole Sodium Content Determination: Gallic acid, Phyllanthi fructus, scutellariae, Rehmanniae radix praeparata, Bufalin, Diltiazem hydrochloride tablets, Levofloxacin, Methylprednisolone, Halcinonide, Determination of Tranexamic acid by pre-column derivatization, Epivotide, Caffeine and chlorpheniramine maleate in Cold and Flu Granules Content Determination of Chinese Medicine Granules: Stir-fried Bitter Almonds , Buddha's Hand , Patchouli, Calamus , Acacia , Phellodendron Bark Characteristic chromatogram of Chinese Medicine Granules: Angelica sinensis , Cortex Eucommiae , Pueraria Mirifica , Cistanches Cistanches (Cistanches) , Rhizoma Gastrodiae , Poria cocos Food/environment: Antibiotics, Residues of veterinary drug , Stevioside, Rhodamine B, Perfluorinated compounds
	tC8 (L7)	<ul style="list-style-type: none"> ●Octylsilane chemically bonded to porous hybrid silica particles ●Stable in pH 1-12 and high temperatures up to 60°C ●Trifunctional technology,enhances the resistance of phenyl column, have longer column life 	Pore Size:130 Å pH Range:1-12 Carbon Load:13% Temperature Limits: 60°C (Low pH) 60°C (High pH)	Pharma: Gliclazide, Metronidazole Clotrimazole and Chlorhexidine Acetate Suppositories, Ziprasidone Hydrochloride, Clonidine Hydrochloride, Opioids, Olanzapine, Cefuroxime sodium, Omeprazole Sodium, Doxycycline Peptide map Food/environment: Plasticizer
	tC4 (L26)	<ul style="list-style-type: none"> ●Butyl silane chemically bonded to totally porous hybrid silica particles ●Less retentive than C18 and C8 ●Suitable for large molecular such as protein, the hybrid silica offers longer column lives and better peak shapes 	Pore Size:130 Å pH Range:1-10 Carbon Load:9.5% Temperature Limits: 80°C (Low pH) 50°C (High pH)	Pharma: Expect reduced retention and faster analysis of small molecules, but also biomolecules such as proteins
	RP18 (L1)	<ul style="list-style-type: none"> ●Octadecyl silane chemically bonded to porous hybrid silica particles with embedded polar groups ●Compatible with 100% aqueous mobile phase ●Trifunctional C18, more stable bonded phase and reduced column bleeding 	Pore Size:130 Å pH Range:2-11 Carbon Load:18% Temperature Limits: 50°C (Low pH) 45°C (High pH)	Pharma: Nimesulide content determination , Ginsenosides in Ginseng, Saponins in Ginseng Pine Heart Capsules

HPLC/UHPLC Series	Stationary Phase	Specificities	Parameter	Application Examples
MicroPulite® XP	RP18 Plus (L1)	<ul style="list-style-type: none"> ●Octadecyl silane chemically bonded to porous hybrid silica particles with embedded polar groups ●Compatible with 100% aqueous mobile phase ●Selectivity different from XP tC18 ●Excellent peak shapes for basic compounds 	Pore Size:130 Å pH Range:2-11 Carbon Load:17% Temperature Limits: 50°C (Low pH) 45°C (High pH)	Pharma: Tetracaine, Warfarin, Triprolidine, Atenolol, Metoprolol, Determination of 5-hydroxymethylfurfural in Tinidazole Dextrose Injection Food/environment: Nucleic acid bases, Nucleosides
	NH ₂ (L8)	<ul style="list-style-type: none"> ●Aminopropylsilane chemically bonded to totally porous hybrid silica particles ●Stable in pH 1-9,less column bleeding and longer column life ●Use in normal phase and HILIC 	Pore Size:130 Å pH Range:1-9 Carbon Load:9% Temperature Limits: 45°C (Low pH) 45°C (High pH)	Pharma: Glucosamine sulfate-related impurities Food/environment: Sugar and Sugar alcohols
	T3 (L1)	<ul style="list-style-type: none"> ●Octadecyl silane chemically bonded to porous hybrid silica particles ●Trifunctional technology, Compatible with 100% aqueous mobile phase ●Excellent retention of polar compounds ●Stable in pH 1-12 	Pore Size:130 Å pH Range:1-12 Carbon Load:14% Temperature Limits: 80°C (Low pH) 60°C (High pH)	Pharma: Water soluble vitamins Food/environment: Water soluble vitamins
	Phenyl - Hexyl (L11)	<ul style="list-style-type: none"> ●Phenyl groups chemically bonded to porous hybrid silica particles ●Outstanding stability and reproducibility, stable in pH 1-12 ●Selectivity different from straight-chain alkane columns such as C18 or C8 ●Suitable for aromatic compounds, amines, and polar compounds 	Pore Size:130 Å pH Range:1-12 Carbon Load:15% Temperature Limits: 80°C (Low pH) 60°C (High pH)	Pharma: Statins, Lovastatin, Simvastatin, Atorvastatin, Pravastatin Sodium Lonicera japonica vine, Radish seed, Golden-and-silver honeysuckle Food/environment: Illegal addition of health food, such as sildenafil, tadalafil and so on
	Amide (L68)	<ul style="list-style-type: none"> ●Porous, hybrid silica, surface has been covalently modified with Alkyl amide groups ●Stable in pH 2-11, can use in high temperatures, and a longer column life than Amino columns ●Preferred choice for method development of HILIC ●Used for retention polar compounds 	Pore Size:130 Å pH Range:2-11 Carbon Load :17% Temperature Limits: 90°C (Low pH) 90°C (High pH)	Pharma: Content determination of D-Glucosamine sulfate, Aminoglycoside, Metformin, Fructose, Sucrose of Atractylodis macrocephalae granules Food/environment: Ascorbic and iso-ascorbic acid, Cyanamide, Dicyandiamide, Melamine, Amino Acid (Non-derivative methods), Carbohydrates, Inositol Metabonomics: Phospholipid metabolomics
	HILIC (L3)	<ul style="list-style-type: none"> ●Unbonded hybrid porous silica particles ●HILIC used for retention of polar compounds, more robust than silica-based HILIC, has ideal column life ●Can be used in normal phase 	Pore Size:130 Å pH Range:1-9 Temperature Limits: 45°C (Low pH) 45°C (High pH)	Food/environment: Cyromazine, Paraquat, Diquat dibromide papaverine, Morphine, Codeine, Noscapine, Thebaine in hotpot condiment
	Oligo tC18 (L1)	<ul style="list-style-type: none"> ●Octadecyl silane chemically bonded to porous hybrid silica particles ●Can use at high temperature, high pH, high concentration buffer solution, best choice for reverse-phase analysis oligonucleotides ●Excellent batch stability and reproducibility 	Pore Size:130 Å pH Range:1-12 Carbon Load:18% Temperature Limits: 80°C (Low pH) 60°C (High pH)	Pharma: Antisense oligonucleotide drugs, mRNA capping

HPLC/UHPLC Series	Stationary Phase	Specificities	Parameter	Application Examples
MicroPulite® XP	tPFP (L1)	<ul style="list-style-type: none"> ●Pentafluorophenyl groups chemically bonded to hybrid silica particles ●Suitable for aromatic compounds, halogenated compounds, isomer and so on ●Enhance retention of polar compounds 	Pore Size:130 Å pH Range:1-8 Carbon Load:7% Temperature Limits: 45°C (Low pH) 45°C (High pH)	Pharma: Fluorouracil
	tC18/PFP (L43)	<ul style="list-style-type: none"> ●Pentafluorophenyl and Octadecyl silane groups chemically bonded to hybrid silica particles ●Unique selectivity, different from XP tC18 and XP tPFP ●Stable in pH 1-12 ●Improve retention of polar compounds and tolerance to high aqueous phases 	Pore Size:130 Å pH Range:1-12 Carbon Load:14.5% Temperature Limits: 45°C (Low pH) 45°C (High pH)	Pharma: Isomer analysis in the analysis of pharmaceutical impurities Food/environment: 18 β-agonist residues
	tC18-AX (L78)	<ul style="list-style-type: none"> ●Hybrid silica with mixed-mode reversed-phase and anion-exchange functionality ●Trifunctionally bonded, allowing full compatibility with 100% aqueous phases ●Improved retention of polar acidic compounds in reversed-phase chromatography ●Enhances peak shape for basic compounds 	Pore Size:130 Å pH Range:2-10 Carbon Load:17% Temperature Limits: 60°C (Low pH) 60°C (High pH)	Improves peak shape for basic compounds, particularly quaternary ammonium compounds such as dichlorobenzylpiperazine and benzalkonium chloride. Enhances retention of polar acidic compounds under reversed-phase conditions, including various organic acids.
MicroPulite® PHS XP	tC18 (L1)	<ul style="list-style-type: none"> ●Octadecyl silane chemically bonded to surface-charged porous hybrid silica particles ●General C18 column ●Improves peak shape and reduce tailing, enhance basic compounds loading capacity ●Suitable for analysis basic compounds and peptides 	Pore Size:130 Å pH Range:1-11 Carbon Load:17% Temperature Limits: 80°C (Low pH) 45°C (High pH)	Pharma: Related substances of tranexamic acid, gabapentin, propofol emulsion injection, lincomycin hydrochloride, ephedrine, pseudoephedrine Content Determination of Angelica sinensis Peptide Food/environment: Antibiotics
	Phenyl - Hexyl (L11)	<ul style="list-style-type: none"> ●Phenyl groups chemically bonded to surface-charged porous hybrid silica particles ●Suitable for aromatic compounds, amines, especially better peak shapes for basic compounds ●Different selectivity compared to XP phenyl 	Pore Size:130 Å pH Range:1-11 Carbon Load:15% Temperature Limits: 80°C (Low pH) 45°C (High pH)	Pharma: Quetiapine Azide impurities in sartan APIs Metabonomics: Tricarboxylic acid cycle
	tF5 (L43)	<ul style="list-style-type: none"> ●Pentafluorophenyl groups chemically bonded to surface-charged porous hybrid silica particles ●Suitable for aromatic compounds, halogenated compounds, isomers and so on ●Selectivity is different from XP tPFP 	Pore Size:130 Å pH Range:1-8 Carbon Load:10% Temperature Limits: 60°C (Low pH) 45°C (High pH)	Pharma: Isomers of tert-butylphenol Food/environment: Chlorate and Perchlorate
MicroPulite® Perfect	T3 (L1)	<ul style="list-style-type: none"> ●Octadecyl silane chemically bonded to porous silica particles ●Compatible with 100% aqueous mobile phase ●Enhance the retention of polar compounds while maintaining retention for moderately and strongly hydrophobic compounds 	Pore Size:120 Å pH Range:2-8 Carbon Load:14% Temperature Limits: 45°C (Low pH) 45°C (High pH)	Pharma: Emedastine, Amoxicillin and Clavulanate Potassium, Sulfonamide compounds Content Determination: Forsythia extract, White fresh peel, Fried Bitter almonds, Gold cherry seed flesh, Gentian, Saxifrage, Ascending flax, fritillaries, Perilla, Schisandrae chinensis Characteristic chromatogram of Chinese Medicine Granules: Fried White Lentil, Lotus Leaf, Astragalus, Dandelion, Platycodon Grandiflorus, Cistanche Wine Food/environment: 13 Organic Acids, preservative

HPLC/UHPLC Series	Stationary Phase	Specificities	Parameter	Application Examples
MicroPulite® Perfect	T3 SB (L1)	<ul style="list-style-type: none"> ●Octadecyl silane chemically bonded to porous silica particles ●Uncapped, surface silanol groups providing unique selectivity ●Compatible with 100% aqueous mobile phase, better retention for basic compounds in medium-low pH 	Pore Size: 120 Å pH Range: 2-8 Carbon Load: 14% Temperature Limits: 45°C (Low pH) 45°C (High pH)	Pharma: Alkaline drugs with high polarity are better preserved Food/environment: Acrylamide
	Diol (L20)	<ul style="list-style-type: none"> ●Dihydroxypropane groups chemically bonded to porous silica particles ●HILIC and normal phase ●Special selectivity of amine compounds 	Pore Size: 120 Å pH Range: 1-8 Carbon Load: 15% Temperature Limits: 60°C (Low pH) 60°C (High pH)	Pharma: Separation of arginine in Hilic, normal-phase separate sterols and steroids
	HILIC (L3)	<ul style="list-style-type: none"> ●Porous silica particles ●Retention of polar compounds in HILIC ●Used in normal-phase mode 	Pore Size: 120 Å pH Range: 1-5 Temperature Limits: 45°C (Low pH) 45°C (High pH)	Pharma: Morphine
MicroPulite® HSS	T3 (L1)	<ul style="list-style-type: none"> ●Octadecyl silane chemically bonded to porous silica particles ●Compatible with 100% aqueous mobile phase, excellent retention of polar compounds in reverse-phase ●Suitable for samples with a wide polarity range, improve the retention of polar compounds while reduce the retention of non-polar compounds 	Pore Size: 100 Å pH Range: 1-8 Carbon Load: 11% Temperature Limits: 45°C (Low pH) 45°C (High pH)	Pharma: Content Determination of Chinese medicine granules: Rhodiola Rosea , Scutellaria Baicalensis, Papaya , Sumac , Morinda Citrifolia , Curcuma , Poria Cocos , Fructus Parsley, Psoralen , Mulberry , Cortex Eucommiae Characteristic chromatogram of Chinese medicine granules: Crocus sativus , Morinda citrifolia, Liliun , Pelargonium graveolens , Hawthorn , Scutellaria baicalensis , Cynanchum officinale , Poria cocos , Curcuma longa Food/environment: Propanoic Acid and Calcium Propionate, Pesticide residue Metabonomics: Non-targeted analysis with a wide span of polarity
BioPulite®	XP Protein tC18 (L1)	<ul style="list-style-type: none"> ●Octadecyl silane chemically bonded to porous hybrid silica particles ●Excellent peak shape, stable in pH 1-12, longer column life at high pH, high temperature, and high concentration buffer solution ●300Å large pore size suitable for separation biological macromolecules such as peptides, proteins, oligonucleotides and mRNA 	Pore Size: 300 Å pH Range: 1-12 Carbon Load: 12% Temperature Limits: 80°C (Low pH) 60°C (High pH)	Pharma: Peptide (Molecular weight > 4000) Peptide Mapping Protein analysis ion pair reverse phase analysis Oligonucleotide , such as ASO impurity analysis and siRNA separation Different lipids analysis in lipid nanoparticles mRNA
	XP Protein tC4 (L26)	<ul style="list-style-type: none"> ●Butyl silane chemically bonded to porous hybrid silica particles ●Excellent peak shape, stable in pH 1-12, and longer column life at high pH, high temperature, high concentration buffer solution ●300Å large pore size for reverse-phase separation proteins 	Pore Size: 300 Å pH Range: 1-12 Carbon Load: 8% Temperature Limits: 80°C (Low pH) 50°C (High pH)	Pharma: Monoclonal antibody drugs Reverse phase analysis proteins
	XP Protein RP18 (L1)	<ul style="list-style-type: none"> ●Octadecyl silane chemically bonded to porous hybrid silica particles with embedded polar groups ●Compatible with 100% aqueous mobile phase ●Analysis biological macromolecules, different selectivity from XP Protein tC18 	Pore Size: 300 Å pH Range: 2-11 Carbon Load: 12% Temperature Limits: 50°C (Low pH) 45°C (High pH)	Pharma: Peptide (Molecular weight > 4000) Protein Analysis

HPLC/UHPLC Series	Stationary Phase	Specificities	Parameter	Application Examples
BioPulite®	XP Protein RP18 Plus (L1)	<ul style="list-style-type: none"> ● Octadecyl silane chemically bonded to porous hybrid silica particles with embedded polar groups ● Compatible with 100% aqueous mobile phase ● Selectivity different from XP Protein tC18/RP18 	Pore Size: 300 Å pH Range: 2-11 Carbon Load: 17% Temperature Limits: 50°C (Low pH) 45°C (High pH)	Pharma: Peptide (Molecular weight > 4000) Protein Analysis
	Gold Protein C4 (L26)	<ul style="list-style-type: none"> ● Butyl silane chemically bonded to totally porous silica particles ● High cost-effectiveness ● 300Å large pore size for reverse-phase analysis proteins 	Pore Size: 300 Å pH Range: 2-8 Carbon Load: 1.3% Temperature Limits: 60°C (Low pH) 40°C (High pH)	Pharma: Monoclonal antibody drugs Protein analysis
	Protein Perfect SEC (L33)	<ul style="list-style-type: none"> ● With minimal non-specific adsorption to peptides, proteins, and water-soluble polymers, silica-based size exclusion chromatography (SEC) columns are ideal for analyzing biomacromolecules and hydrophilic polymers. 	Pore Size: 125Å, 300 Å pH Range: 2-8 Temperature Limits: 45°C (Low pH) 45°C (High pH)	125 Å: Suitable for proteins with molecular weights ranging from 500 to 150,000, water-soluble polymers such as insulin and peptides in the range of 500 to 25,000. 300 Å: Suitable for proteins ranging from 5,000 to 1,250,000; water-soluble polymers from 1,000 to 100,000;



WePure WeChat Official



WE PURE

微纯生物科技（广州）有限公司
WePure Biotech (Guangzhou) Co., Ltd.

地址：广州市南沙区珠江街南江二路6号广东医谷7栋9层

Add: 9/F, Building 7,6 Nanjiang Second Rd., Zhujiang Street, Nansha District, Guangzhou, China

电话/Tel: 020-39394992

传真/Fax: 020-39394993

网址/Url: www.wepuretech.com

邮箱/E-mail: support@wepuretech.com