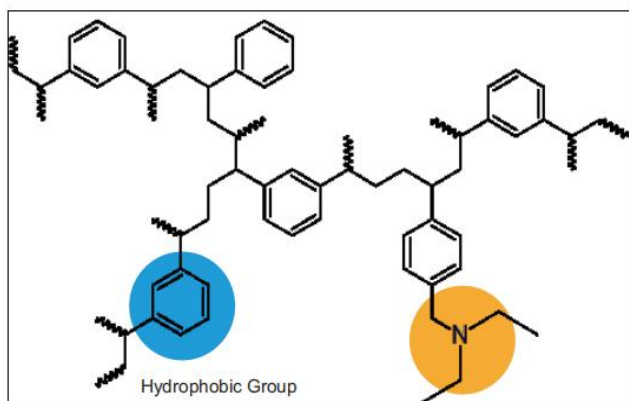


## Weak Anion Exchange (WAX)

### Extracting strong acids



Weak Anion Exchanger



### Introduction

WAX sorbent is composed of monodisperse microporous polystyrene-divinylbenzene resin particles grafted with amine functional groups. This polymeric mixed-mode sorbent features reversed-phase and weak anion exchange retention mechanisms, allowing for superb retention for strong acids.

### Features

- Superb retention for strong acids
- Predictable single retention mechanism
- Stable from pH 1 to 14, compatible with most common solvents

### order Information

PART No.	DESCRIPTION	PACKAGE
SCWAX0601	WAX SPE Column, 60mg/1ml	100
SCWAX1503	WAX SPE Column, 150mg/3ml	50
SCWAX5003	WAX SPE Column, 500mg/3ml	50
SCWAX1506	WAX SPE Column, 150mg/6ml	30
SCWAX5006	WAX SPE Column, 500mg/6ml	30

### Applications

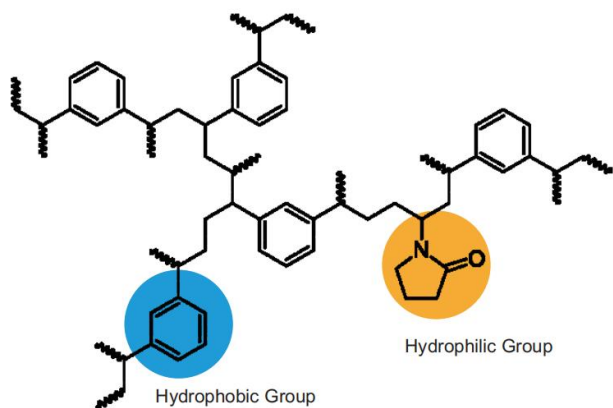
- Analysis of strong acids drugs in biological matrices
- Determination of strong acidic pollutants such as perfluorinated carboxylic acids in environment and water
- New drug discovery

### Specifications

Surface area: 600 m<sup>2</sup>/g  
 Particle size: 40 μm  
 Pore size: 300 Å

## Hydrophilic-Lipophilic Balanced (HLB)

Extracting non-polar to moderately polar acidic, neutral and basic compounds



### Introduction

HLB sorbent is composed of monodisperse N vinylpyrrolidone-divinylbenzene copolymer resin particles, with specific mixture of hydrophilic hydrophobic groups, allowing for retention for a wide range of compounds with very high capacities. HLB can be used as a general-purpose sorbent, especially for extracting analytes from complicated samples such as blood and urine.

### Features

- General sorbent, suitable for wide application areas
- Highly wettable, no worry of bed dryness, rare breakthrough
- High recoveries, excellent reproducibilities
- 3 to 10 times higher adsorption capacities and loadabilities than C18-bounded silica gel
- Stable from pH 1 to 14, compatible with most common solvents

### order Information

PART No.	DESCRIPTION	PACKAGE
SCHLB0601	HLB SPE Column, 60mg/1ml	100
SCHLB1503	HLB SPE Column, 150mg/3ml	50
SCHLB5003	HLB SPE Column, 500mg/3ml	50
SCHLB1506	HLB SPE Column, 150mg/6ml	30
SCHLB5006	HLB SPE Column, 500mg/6ml	30

### Applications

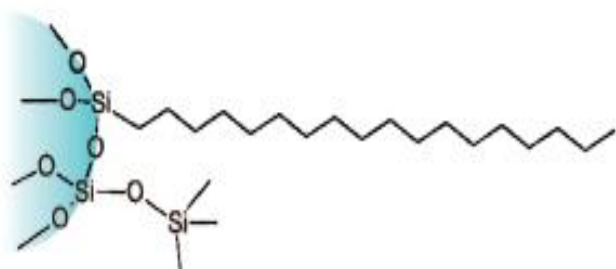
- Determination of drugs, illicit drugs and their metabolites in blood, such as sertraline ibuprofen and heroin
- Determination of residual antibiotics, catecholamines, and microcystins in foodstuff
- Determination of veterinary drugs, pesticides and mycotoxin in milk products

### Specifications

Surface area: 600 m<sup>2</sup>/g  
 Particle size: 40 μm  
 Pore size: 300 Å

## C18 Endcapped Octadecyl

### Extracting non-polar compounds



### Introduction

C18 sorbent is composed of endcapped octadecyl bounded silica gel particles and retains non-polar compounds by hydrophobic interactions. It can retain most organic compounds and is widely used in areas such as environmental monitoring and food safety.

### Applications

- Analysis of drugs, poisons, pollutants and their metabolites in biological matrices
- Separation of biomolecules such lipids, antibiotics, bile acids and saccharides
- Determination of mycotoxins such as fumonisins in foods
- Determination of preservatives in cosmetics and skin care products

### Specifications

Carbon content: 17.6%  
Surface area: 300 m<sup>2</sup>/g  
Particle size: 40-75 μm  
Pore size: 70 Å

### Features

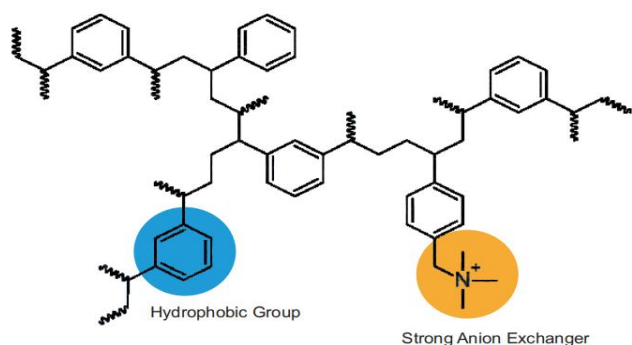
- High carbon content
- Stable over a broader pH range
- Fully endcapped surface coverage, reducing interference from basic and polar compounds

### order Information

PART No.	DESCRIPTION	PACKAGE
SCC180601	C18 SPE Column, 60mg/1ml	100
SCC181503	C18 SPE Column, 150mg/3ml	50
SCC185003	C18 SPE Column, 500mg/3ml	50
SCC181506	C18 SPE Column, 150mg/6ml	30
SCC185006	C18 SPE Column, 500mg/6ml	30

## Mixed-mode Anion Exchange (MAX)

### Extracting acidic compounds



### Introduction

MAX sorbent is composed of monodisperse polystyrene-divinylbenzene resin particles grafted with aromatic quaternary ammonium groups. This polymeric mixed-mode sorbent features reversed phase and strong anion exchange retention mechanisms, allowing for superb retention for acidic compounds.

### Features

- Wettable, rare breakthrough
- Stable from pH 1 to 14, compatible with most common solvents
- General sorbents for acidic compounds

### order Information

### Applications

- Determination of residual pesticides / veterinary drugs in foodstuff
  - Analysis of drugs and drug metabolites in biological matrices
  - Analysis of active ingredients in cosmetics
- Order information

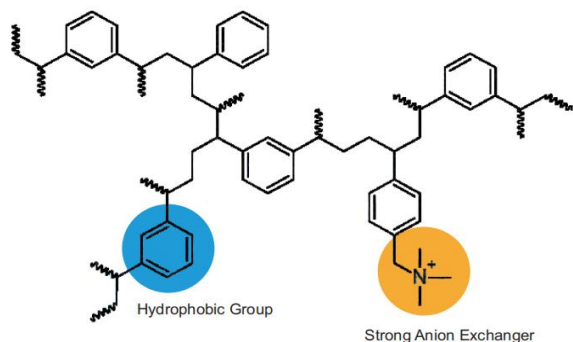
### Specifications

Surface area: 600 m<sup>2</sup>/g  
 Particle size: 40 μm  
 Pore size: 300 Å

PART No.	DESCRIPTION	PACKAGE
SCMAX0601	MAX SPE Column, 60mg/1ml	100
SCMAX1503	MAX SPE Column, 150mg/3ml	50
SCMAX5003	MAX SPE Column, 500mg/3ml	50
SCMAX1506	MAX SPE Column, 150mg/6ml	30
SCMAX5006	MAX SPE Column, 500mg/6ml	30

## Styrene-divinylbenzene (SDB-L)

### EXtraction of non-polar and polar molecules



### Specifications

Surface area: 300 m<sup>2</sup>/g  
 Particle size: 40-75 μm  
 Pore size: 100 Å

### Features

- Suitable for extracting both non-polar and polar molecules.
- Stable over a broader pH range

### Applications

- Analysis of drugs, poisons, pollutants and their metabolites in biological matrices
- Separation of biomolecules such lipids, antibiotics, bile acids and saccharides
- Determination of mycotoxins such as fumonisins in foods
- Determination of preservatives in cosmetics and skin care products

### order Information

PART No.	DESCRIPTION	PACKAGE
SCSDBL0601	SDBL SPE Column, 60mg/1ml	100
SCSDBL1503	SDBL SPE Column, 150mg/3ml	50
SCSDBL5003	SDBL SPE Column, 500mg/3ml	50
SCSDBL1506	SDBL SPE Column, 150mg/6ml	30
SCSDBL5006	SDBL SPE Column, 500mg/6ml	30

## Graphitized Carbon

### Black/Weak Anion Exchange (GCB/WAX)

Carb-GCB/WAX combines the merits of both Carb-GCB and WAX sorbents.



### Specifications for Carb-GCB:

Surface area: 100 m<sup>2</sup>/g  
Particle size: 100-300 mesh

### Specifications for WAX

Surface area: 600 m<sup>2</sup>/g  
Particle size: 40 μm  
Pore size: 300 Å

### Applications

- Analysis of strong acids drugs in biological matrices
- Determination of strong acidic pollutants such as perfluorinated carboxylic acids in environment and water
- New drug discovery

### order Information

PART No.	DESCRIPTION	PACKAGE
SCGCBWAX502006	GCB-WAX SPE Column, GCB 50mg,WAX 200mg/ 6ml	30
SCGCBWAX505006	GCB-WAX SPE Column, GCB 50mg,WAX 500mg/ 6ml	30