biocomma

Faster & Purer & Safer



Sample Preparation

Chromatography & Mass Spectrometry

Copure® chromatography and mass spectrometry sample preparation products encompass HPLC columns, high-throughput purification plates, solid phase extraction (SPE) cartridges, QuEChERS, immunoaffinity columns, multifunctional purification cartridges, syringe filters, sample vials, and a variety of compatible small devices and consumables.
These products are widely used in food analysis for detecting pesticide residues, veterinary residues, food additives, mycotoxins, contaminants, and other analytes.

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Expert in Food Safety

Copure® HPLC Columns

Copure® HPLC columns are specifically designed for food testing to address the various challenges in the food testing industry. This product line includes specialized HPLC columns for preservatives, sugars, synthetic colorants, mycotoxins, pesticide residues, etc. It dedicates to solving pain points in food testing, enhancing detection efficiency and accuracy, and ensuring food safety and quality. By using high-purity silica materials and exclusive surface bonding technology, Copure® HPLC columns provide exceptional separation performance and reproducibility, meeting the analytical needs of complex matrix samples. Additionally, these columns undergo stringent quality control to ensure that each batch delivers consistent performance and high reliability, making laboratory operations more efficient and dependable.



Designed Specifically for Food Testing

- Includes varieus HPLC columns specialized for preservatives, sugars, synthetic colorants, mycotoxins, and pesticide residues, etc.
- Effectively addresses critical issues in the food testing industry.

Exceptional Material and Technology

- Uses ultra-high purity, fully porous silica with > 99.999% purity.
- Unique surface bonding and end-capping options.
- Ensures long-lasting performance and superior peak shapes.

Reliable Performance

- Excellent inter-columns and inter-batches reproducibility.
- High-efficiency separation with precise determination of food additives and contaminants.
- Outstanding peak shapes and selectivity.

Suitable for Complex Matrix Analysis

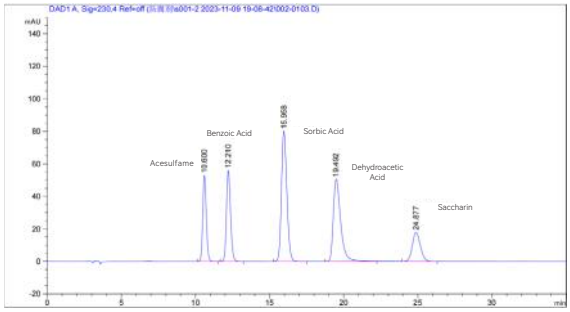
- Preservative-specialized columns: Efficient separation of preservatives.
- Sugar-specialized columns: Precise separation of glucose, sucrose, and other sugars.
- Synthetic colorant-specialized columns: Sharp peak shapes for accurate detection of synthetic colorants.
- Mycotoxin-specialized columns: Reliable detection of mycotoxins in complex matrices.
- Pesticide residue-specialized columns: Excellent separation and detection of pesticide residues.
- Veterinary drug-specialized columns: Outstanding separation and detection of veterinary drug residues.



Copure® HPLC Columns Specially for Preservative

Copure® HPLC Columns Specially for Preservative are designed specifically for the detection of preservatives such as benzoic acid, sorbic acid, and dehydroacetic acid in food.

Column: Copure® HPLC Columns Specially for Preservative (4.6×250mm, 5μm)
Part Number: HC18PS01
Mobile Phase: 20mmol/L ammonium acetate buffer (adjusted with ammonia to pH 7.5)
Flow Rate: 1.0 mL/min
Column Temperature: 30° C
Wavelength: 230nm
Injection Volume: 5μL
Chromatogram:



Test Results:

	Compound	Retention Time[min]	Resolution	Theoretical Plates	Tailing Factor
1	Acesulfame	10.600	-	9830	1.14
2	Benzoic Acid	12.210	3.46	9511	1.17
3	Sorbic Acid	15.958	6.43	9293	1.19
4	Dehydroacetic Acid	19.492	4.65	8316	1.51
5	Saccharin	24.877	5.86	10320	1.11

Ordering Information

Cat..#	Specification	Qty.
HC18PS01	4.6mm×250mm，5μm	1 unit/box
HC18PS03	4.6mm×150mm，5μm	1 unit/box



Copure® HPLC Columns Specially for Synthetic Colorants

Based on the latest national standard GB 5009.35-2023, Biocomma has launched the Copure® HPLC column specially for synthetic colorants. This product utilizes monodisperse silica particles with fast mass transfer and high separation efficiency, combined with suitable bonding coverage and full end-capping technology. It ensures accurate and efficient detection of synthetic colorants, providing high-density tailing reproducibility and excellent peak shape performance, and an extended service life.

11 Types of Synthetic Colorants

Reference Method: GB 5009.35-2023

Column: Copure® HPLC Column for Synthetic Colorants (4.6 mm×250 mm, 5 μm)

Part Number: HDYE01

Mobile Phase: A: 20mmol/L Ammonium Acetate B: Methanol

Elution Mode: Gradient Elution, see Table 1

Flow Rate: 1.0 mL/min

Column Temperature: 30℃

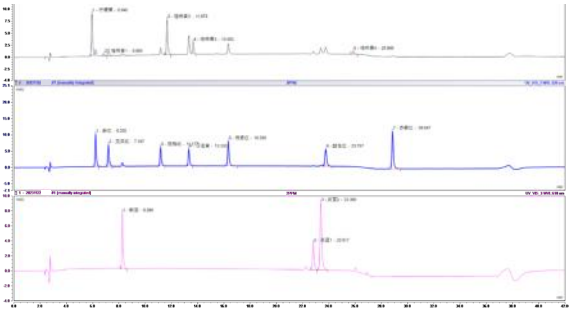
Injection Volume: 10 μL

Detector: UV Detector

Detection Wavelength: 400-800 nm

Table 1 Elution Program

Time /min	A/%	B/%
0.01	90	10
12.0	65	35
19.0	55	45
22.5	50	50
23.0	45	55
24.0	35	65
34.0	35	65
35.0	90	10
42.0	90	10



Liquid Chromatography of 11 Synthetic Colorants

415nm: 1. Tartrazine
2. Quinoline Yellow 1
3. Quinoline Yellow 2
4. Quinoline Yellow 3
5. Quinoline Yellow 4

520nm: 1. New Red
2. Amaranth
3. Carmine
4. Sunset Yellow
5. Allura Red
6. Acid Red
7. Erythrosine

610nm: 1. Indigo Carmine
2. Brilliant Blue 1
3. Brilliant Blue 2

Ordering Information

Cat..#	Specification	Qty.
HDYE01	4.6mm×250mm，5μm	1 unit/box

Copure® HPLC Columns Specially for Mycotoxin

This product features high-strength silica particles with enhanced pressure tolerance, suitable for UPLC system pressures. The column's proprietary end-capping technology provides a broad range of compound inertness and improves retention for polar compounds. It is compatible with all aqueous phases, exhibits excellent acid resistance, and minimizes column loss over extended use.

Ochratoxin A

Reference Method: GB 5009.96-2016

Column: Copure® HPLC ColumnsSpecially for Mycotoxin (4.6 mm×250 mm, 5 μm)

Part Number: HMY01

Mobile Phase: Acetonitrile-Water-Glacial Acetic Acid (96+102+2)

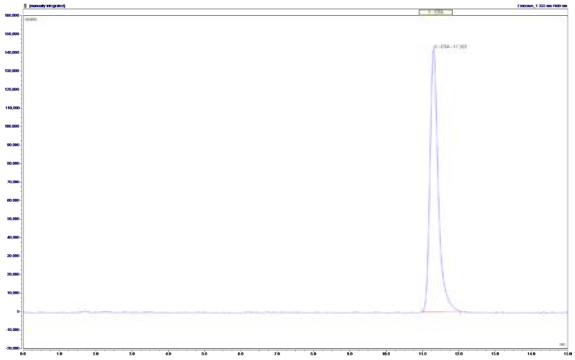
Flow Rate: 1.0 mL/min

Column Temperature: 35℃

Injection Volume: 50 μL

Detection Wavelength: 460nm

Excitation Wavelength: 333nm



Ochratoxin A Liquid Chromatography

Fumonisins

Reference Method: GB 5009.240-2023

Instrument: UPLC-MS/MS (Thermo Fisher TSQ Endura)

Column: Copure® HPLC Column for Mycotoxins (2.1 mm×100 mm, 3 μm)

Part Number: HMY02

Mobile Phase: A: Water (0.1% Formic Acid)

B: 0.1% Formic Acid Methanol Solution

Elution Mode: Gradient Elution, see Table 1

Flow Rate: 0.3 mL/min

Column Temperature: 35℃

Injection Volume: 5 μL

Elution Program, Table 1

Time /min	A/%	B/%
0	60	40
1.5	60	40
6.5	5	95
7	5	95
7.5	60	40
10	60	40

Mass Spectrometry Conditions

Ion Source: HESI

Electrospray Voltage: 3500 V

Sheath Gas Pressure: 40 arb

Auxiliary Gas Pressure: 2 arb

Ion Transfer Tube: 380℃

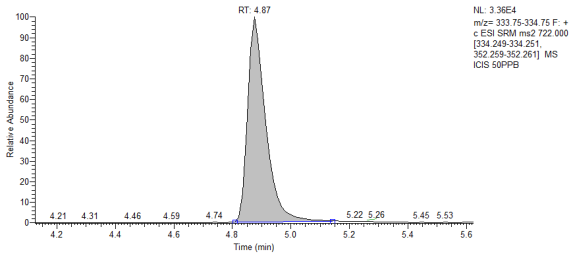
Auxiliary Temperature: 350℃

See Table 2 for Ion Pair Information

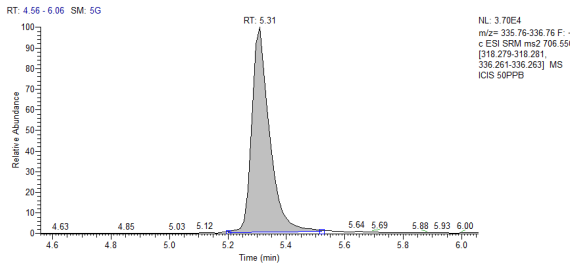
Table 2 Ion Pair Information

No.	Item	Parent Ion (m/z)	Daughter Ion (m/z)
1	Fumonisin B2	706.55	318.28
		706.55	336.262
2	Fumonisin B1	722	334.25
		722	352.26

II. Extracted Ion Chromatograms of Fumonisins



Fumonisin B1



Fumonisin B2

Aflatoxin B1

Reference Method: GB 5009.22-2016

Column: Copure® HPLC Column for Mycotoxins (2.1 mm×100 mm, 3 μm)

Part Number: HMY02

Mobile Phase: A: 5 mmol/L Ammonium Acetate B: 0.1% Formic Acid Methanol

Flow Rate: 0.3 mL/min

Column Temperature: 40℃

Injection Volume: 5 μL

Elution Mode: Gradient Elution, see Table 1

Table 1: Gradient Elution Program

Time /min	A/%	B/%
0	90	10
1.2	40	60
2.1	10	90
4.8	10	90
5	90	10
6	90	10

Mass Spectrometry Conditions

Ion Source: HESI

Scan Mode: Positive Ion Scan

Electrospray Voltage: 3500 V

Sheath Gas Pressure: 30 arb

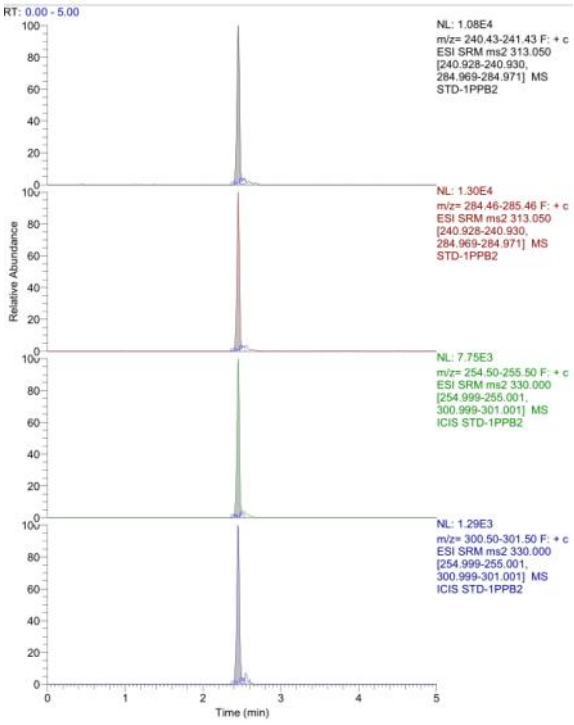
Auxiliary Gas Pressure: 8 arb

Ion Transfer Tube: 300℃

Auxiliary Temperature: 350℃

Table 2 Component Names, Retention Times, and Characteristic Ions (indicates Quantitative Ion)*

Component Name	Parent Ion	Daughter Ion
Aflatoxin B1	313.1	285*、241.1
13C17-AFB1	330.1	255、301*



Ion Chromatogram of Aflatoxin B1

Ordering Information

Cat..#	Specification	Qty.
HMY01	4.6mm×250mm，5μm	1 unit/box
HMY02	2.1mm×100mm，3μm	1 unit/box
HMY03	2.1mm×100mm，1.7μm	1 unit/box

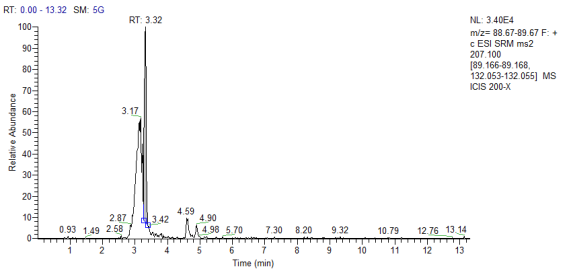
Copure® HPLC Columns Specially for Pesticide Residue

Copure® HPLC Columns Specially for Pesticide Residue utilize ultra-high purity silica with narrow particle size distribution, combined with mature and stable bonding technology and precise end-capping process, ensuring high column efficiency and a suitable pressure range. In pesticide residue analysis, it provides high sensitivity, excellent separation, and symmetrical peak shapes, thereby enhancing accuracy and reliability in detection.

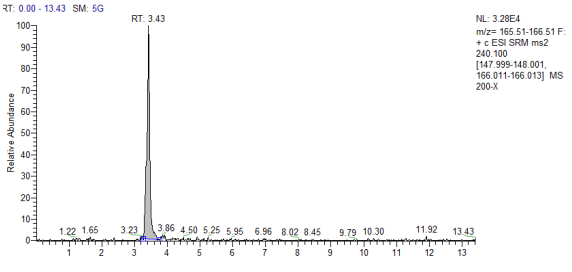
Instrument: UPLC-MS/MS (Thermo Fisher TSQ Endura)
Column: Copure® HPLC Columns Specially for Pesticide Residue (2.1 mm×100 mm, 3 μm)
Part Number: HNC01
Mobile Phase: A: Ammonium Formate-Formic Acid Water (2mmol/L) B: Ammonium Formate-Formic Acid Methanol (2mmol/L)
Flow Rate: 0.3 mL/min
Column Temperature: 40℃
Injection Volume: 2 μL
Elution Mode: Gradient Elution, see Table 1
Table 1: Gradient Elution Program

Time /min	A/%	B/%
0.00	97	3.0
1.00	97	3.0
1.50	85	15.0
2.50	50	50.0
18.0	30	70.0
23.0	2	98.0
25.0	2	98.0
25.1	97	3.0
27.0	97	3.0

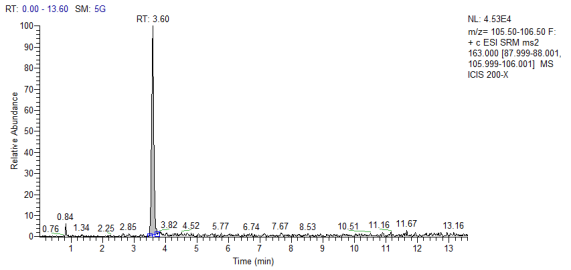
4.2 Mass Spectrometry Conditions
Ion Source: HESI
Electrospray Voltage: Positive Ion Mode 3500 V, Negative Ion Mode 3500V
Sheath Gas Pressure: 35 arb
Auxiliary Gas Pressure: 3 arb
Ion Transfer Tube: 380℃
Auxiliary Temperature: 420℃



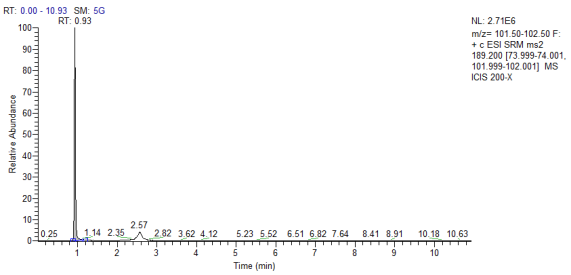
Methomyl Sulfoxide



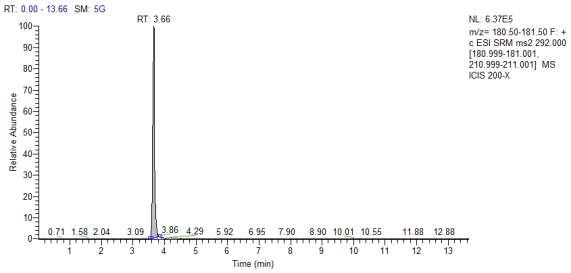
Aldicarb Sulfoxide



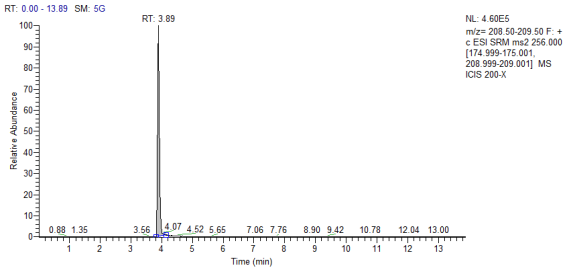
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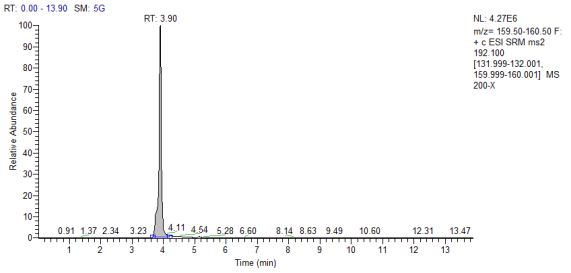
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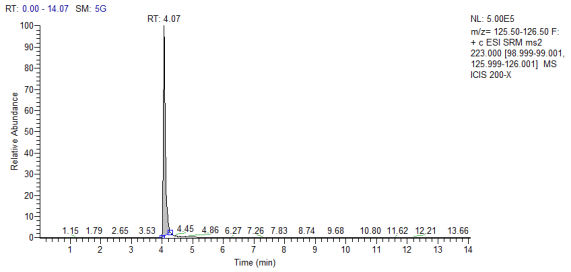
Thiamethoxam



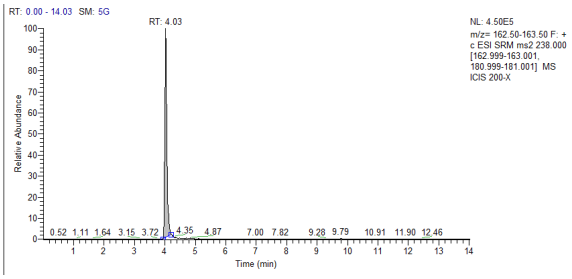
Imidacloprid



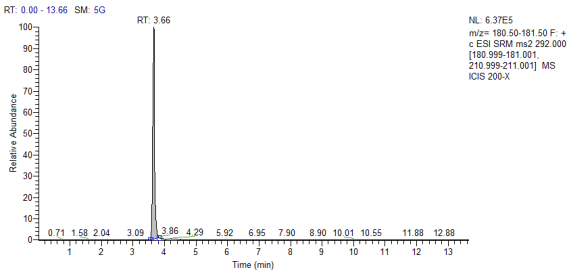
Carbendazim



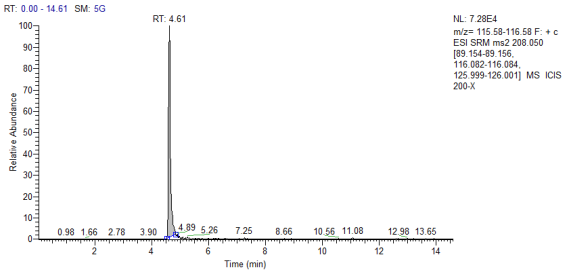
Clothianidin



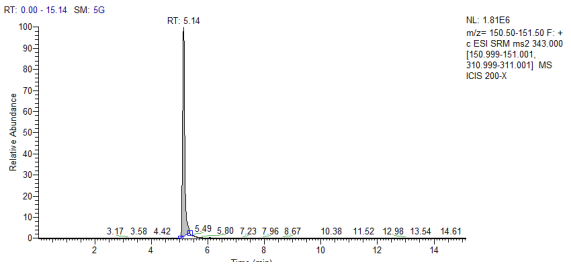
3-Hydroxycarbofuran



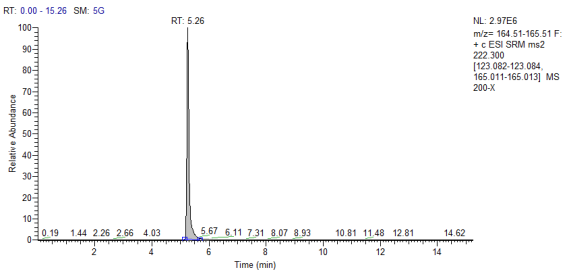
Acetamiprid



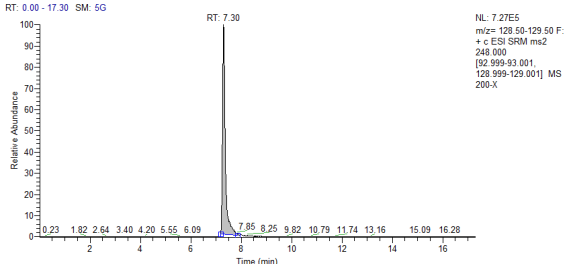
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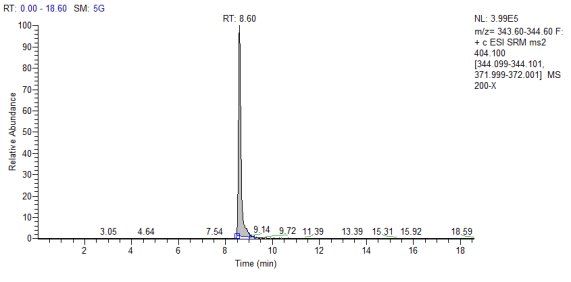
Thiophanate-methy



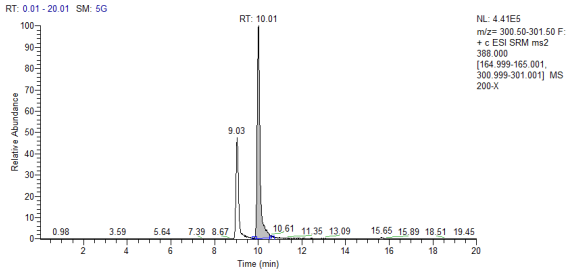
Carbofuran



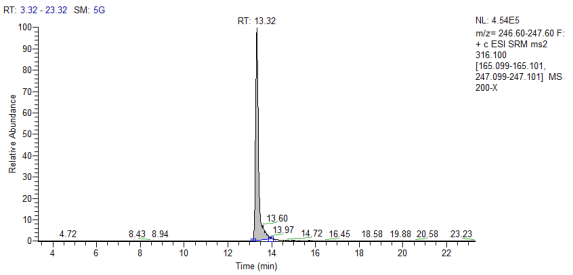
Chlorfenapyr



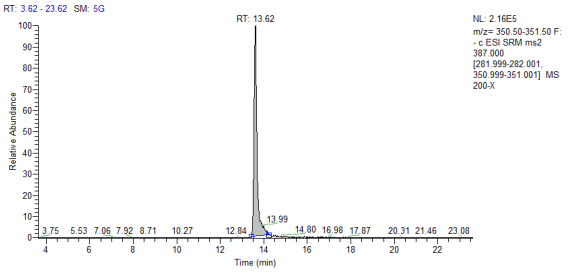
Azoxystrobin



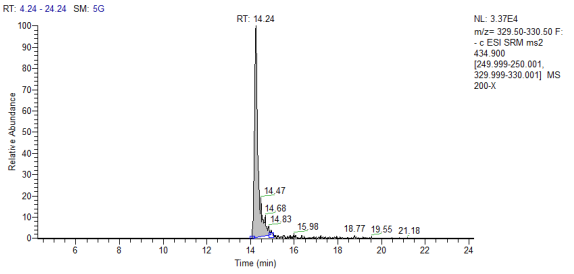
Dimethomorph



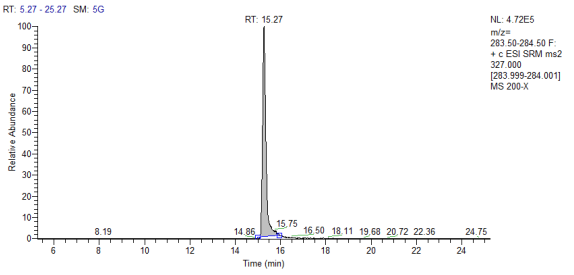
Flusilazole



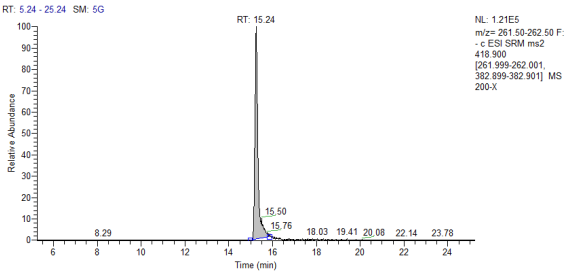
Fluoromethane



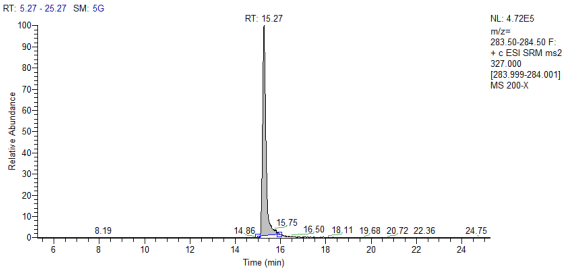
Fipronil



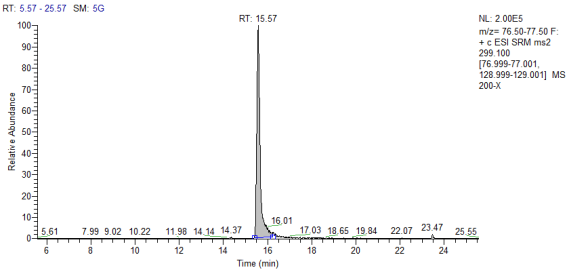
Prochloraz – Desimidazolecarbamoyl



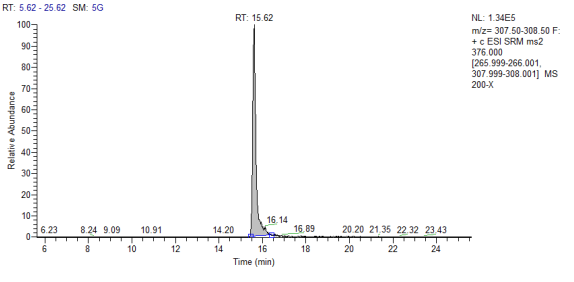
Fipronil sulfide



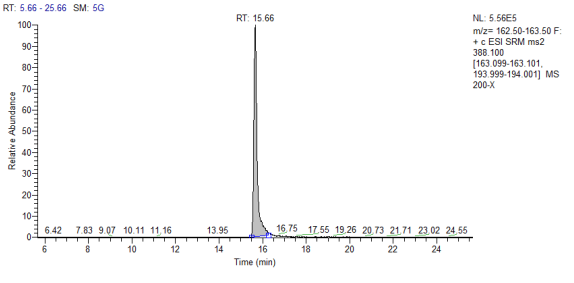
Prochloraz – Dechlorinated imidazole



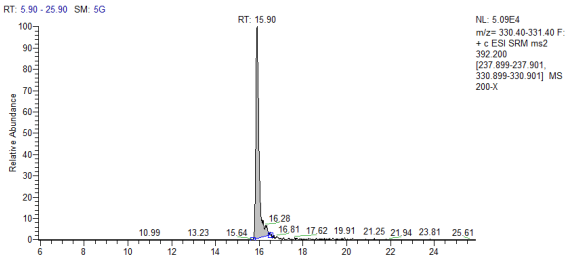
Phoxim



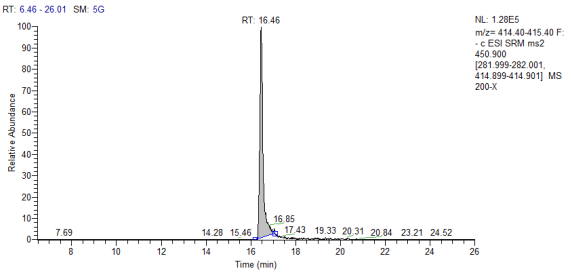
Prochloraz



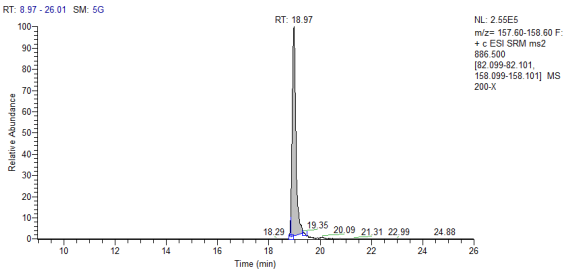
Pyraclostrobin



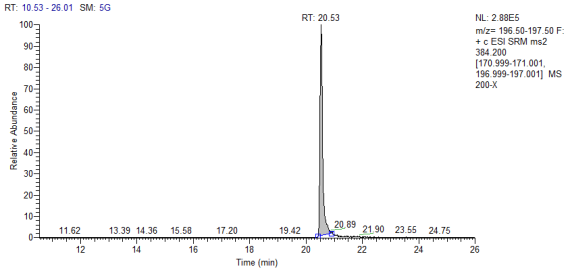
Oxathiapiprolin



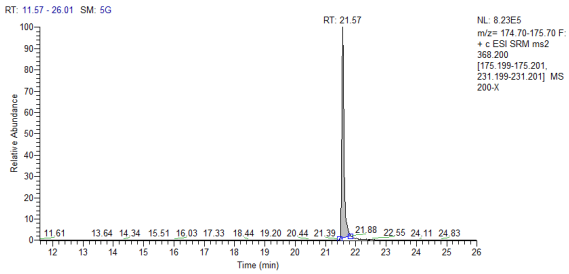
Fipronil sulfone



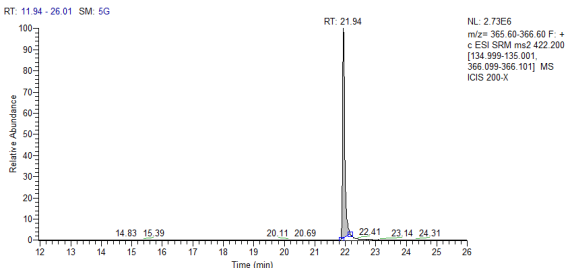
Emamectin Benzoate



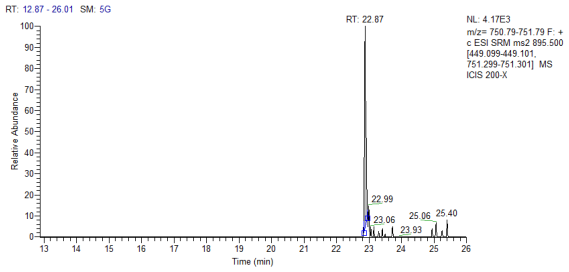
Cyantraniliprole



Pyridaben



Etoxazole



Abamectin

Ordering Information

Cat..#	Specification	Qty.
HNC01	2.1mm×100mm，3μm	1 unit/box
HNC02	2.1mm×100mm，1.7μm	1 unit/box

Copure® HPLC Columns Specially for Veterinary Residue

This product utilizes advanced hybrid silica gel and multi-bonded technology, features a broader pH 1-12 and more stable functional groups. The bonded phase is resistant to loss, providing high efficiency and precision in detecting multiple veterinary drug residues. It also exhibits exceptional durability and reliability, enabling continuous testing under strong acidic and basic conditions.

36 Types of Veterinary Drug Residues

Reference Method: GB 31658.17-2021

1. Instrument Conditions

1.1 Chromatographic Conditions

a. Instrument: UPLC-MS/MS (Thermo Fisher TSQ Endura)

Column:Copure®Specially for Veterinary Residue(2.1mm×100mm, 3 μm)

Catalog Number: HSC01

c. Mobile Phase A: Water (0.1% Formic Acid) B:Methanol: Acetonitrile = 2:8 (0.1% Formic Acid)

d. Elution Method: Gradient elution, see Table 1

e. Flow Rate: 0.3 mL/min

f. Column Temperature: 35℃

g. Injection Volume: 5 μL

Elution Program: see Table 1

Time /min	A/%	B/%
0	98	2
3	90	10
8	65	35
10	20	80
11	5	95
12	98	2
14	98	2

Mass Spectrometry Conditions

a: Ion Source: HESI

b: Electrospray Voltage: 3500 V

c: Sheath Gas Pressure: 40 arb

d: Auxiliary Gas Pressure: 2 arb

e: Ion Transfer Tube Temperature: 380° C

f: Auxiliary Gas Temperature: 350° C

g: Qualitative and Quantitative Ion Pairs, Cone Voltage, and Collision Energy are listed in Table 2

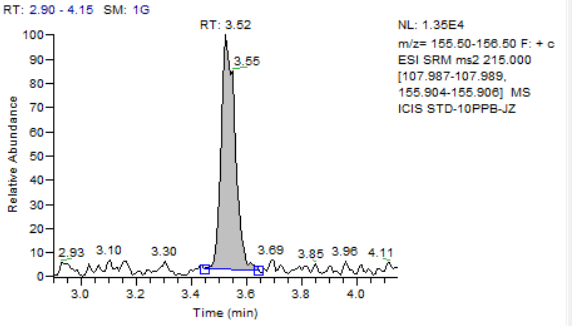
Table 2: Qualitative and Quantitative Ion Pairs, Cone Voltage, and Collision Energy

No.	Compound Name	Retention Time(min)	Parent Ion	Daughter Ions
1	Acetylsulfamethoxazole	3.18	215.0	108.0、155.9*
2	Sulfapyridine	4.67	250.1	155.8*、183.9
3	Sulfadiazine	3.79	251.1	92.1、155.9*
4	Sulfamethoxazole	7.67	254.0	108.1、155.9*
5	Sulfathiazole	4.62	256.0	155.9*、92.1
6	Flumequine	8.59	262.0	201.9、244.1*
7	Oxolinic Acid	10.07	262.0	215.9、244.1*
8	Sulfamethylthiadiazole	5.03	265.1	155.8*、171.8
9	Sulfadimethoxazole	8.12	268.0	113.0、155.8*
10	Sulfamethizole	6.26	271.0	92.1、155.9*
11	Sulfabenzamide	8.59	277.0	107.9、155.9*
12	Sulfadimethoxypyridazine	3.22	279.1	124.0*、185.8
13	Sulfadoxine	5.91	279.1	155.8、185.8*
14	Sulfamonomethoxine	6.21	281.0	155.8*、126.0
15	Sulfamethoxydiazine	6.36	281.0	155.9*、214.9
16	Sulfamethoxypyridazine	7.10	281.0	155.9*、214.9
17	Sulfachlorpyridazine	7.19	285.0	92.1、155.9*
18	Sulfamonomethylpyridazine	7.61	311.1	155.8*、244.9
19	Sulfadiazine	9.05	311.1	155.8*、244.8
20	Sulfabenzthiazole	9.10	315.0	157.9*、159.9
21	Norfloxacin	5.34	320.1	233.0、276.0*
22	Enoxacin	5.15	321.1	234.0、303.0*
23	Ciprofloxacin	5.49	332.0	230.9、288.0*
24	Pefloxacin	5.40	334.2	290.1*、316.1
25	Lomefloxacin	5.67	352.0	265.0*、308.0
26	Delafloxacin	5.76	358.2	314.1、340.0*
27	Enrofloxacin	5.85	360.2	245.0、316.0*
28	Ofloxacin	5.31	362.1	261.1、318.1*
29	Marbofloxacin	4.96	363.1	320.0*、342.0
30	Sarafloxacin	6.28	386.2	299.1、342.1*
31	Difloxacin	6.30	400.2	299.0、356.1*
32	Sulfathiazole	8.11	404.0	148.9、255.8
33	Doxycycline	7.45	445.2	321.0、428.0*
34	Tetracycline	5.55	445.2	410.0*、427.0
35	Oxytetracycline	5.33	461.2	426.0*、443.0
36	Chlortetracycline	6.92	479.1	444.0*、462.0

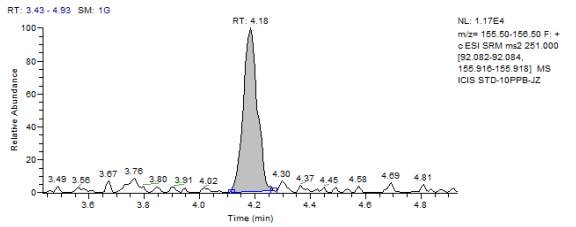
Ordering Information

Cat..#	Specification	Qty.
HSC01	2.1mm×100mm，3μm	1 unit/box
HSC02	2.1mm×100mm，1.7μm	1 unit/box

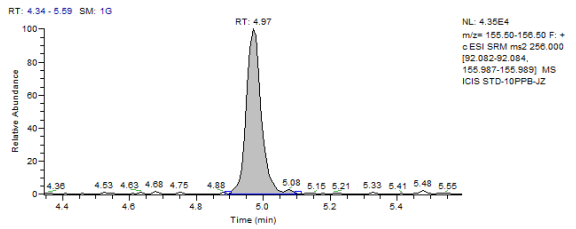
II. Ion Chromatogram of Multi-Residue Extraction at 10 ng/mL



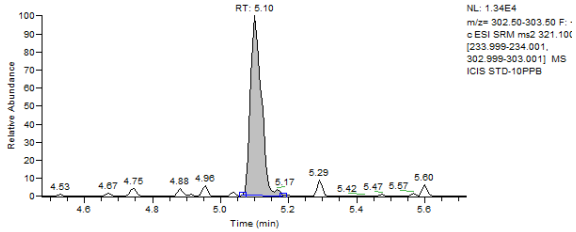
Acetochlor



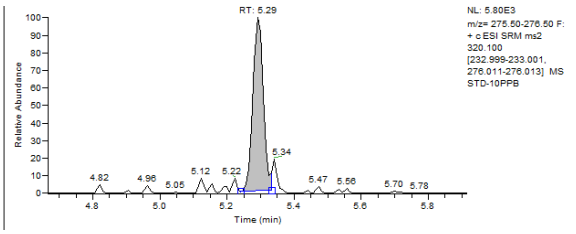
Sulfadiazine



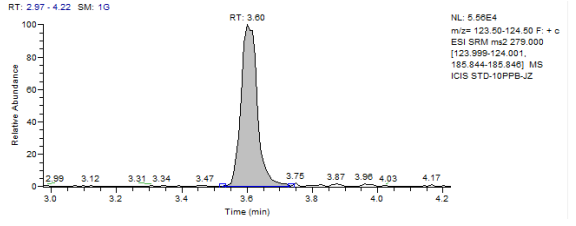
Sulfathiazole



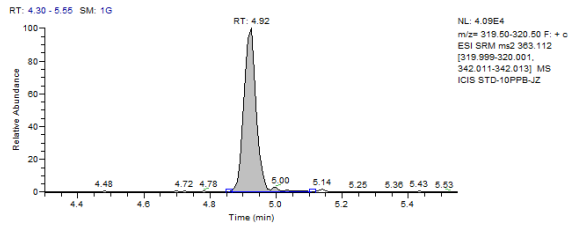
Enrofloxacin



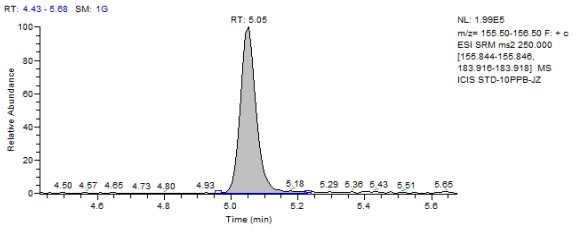
Norfloxacin



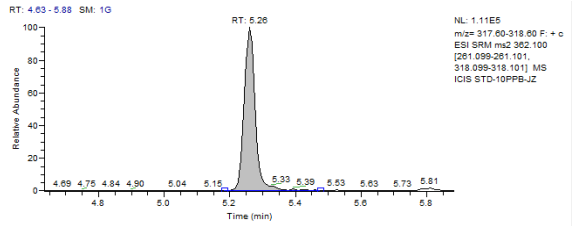
Sulfadimethoxine



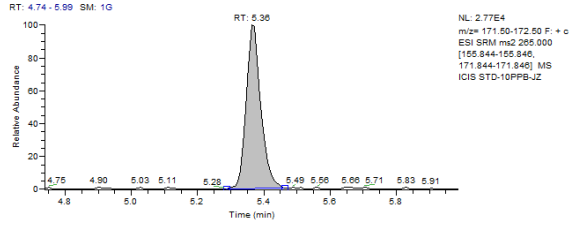
Marbofloxacin



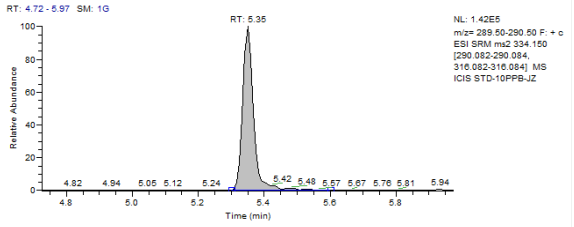
Sulfapyridine



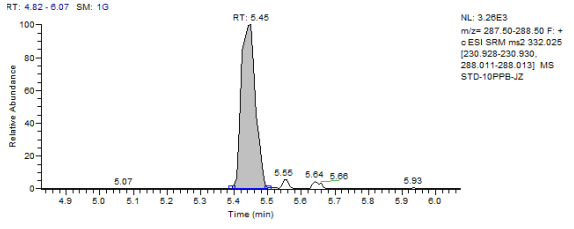
Ofloxacin



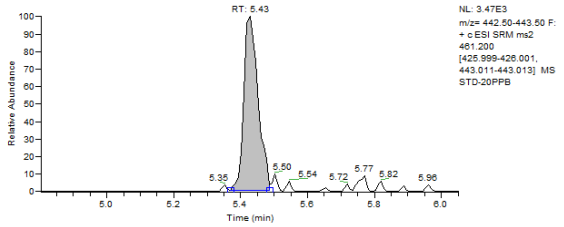
Sulfamethazine



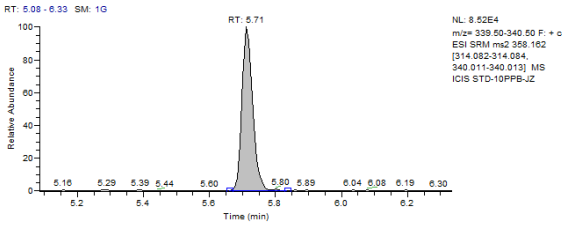
Norfloxacin



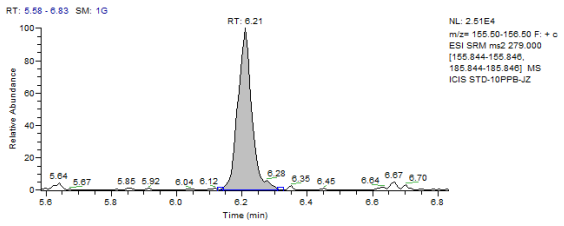
Ciprofloxacin



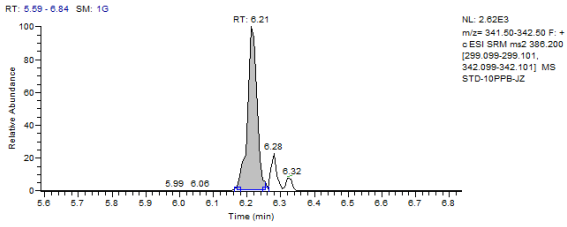
Oxytetracycline



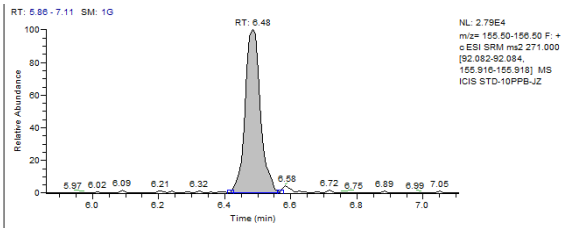
Dafloxacin



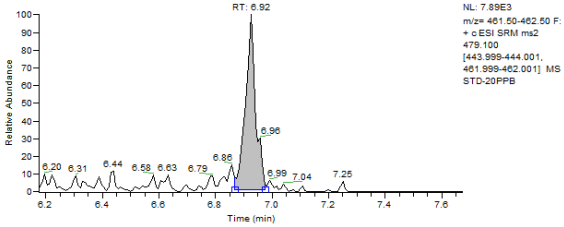
Sulfadiazine



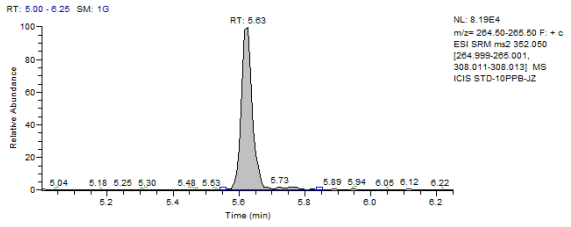
Sarafloxacin



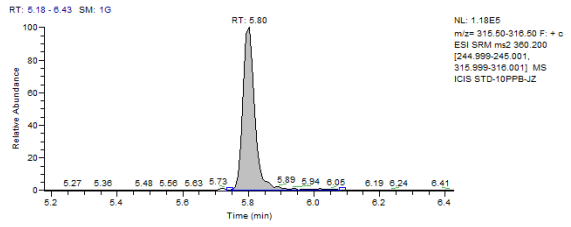
Sulfamethazine



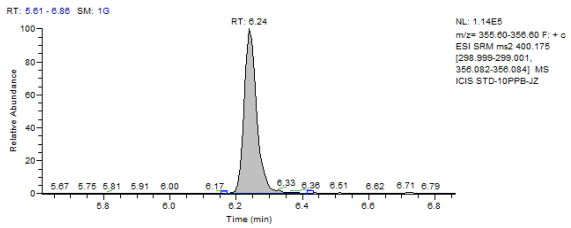
Chlortetracycline



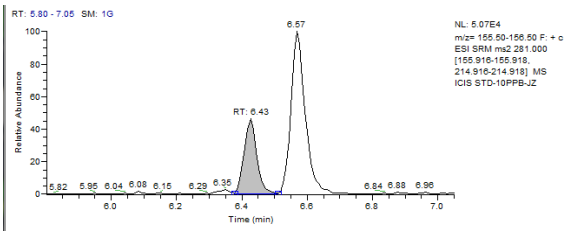
Lomefloxacin



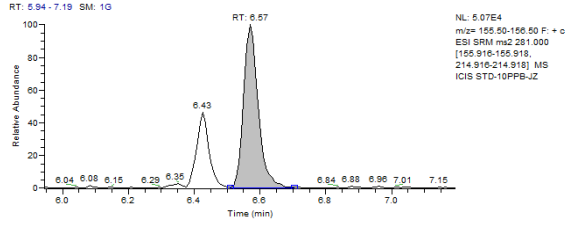
Enrofloxacin



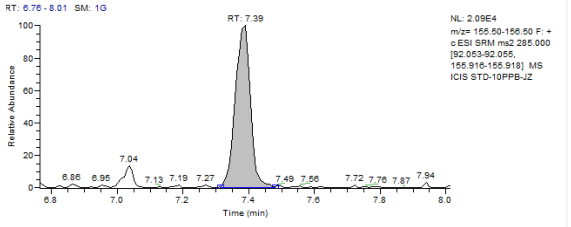
Difloxacin



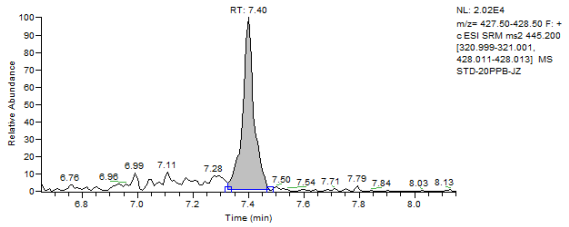
Sulfamonomethoxine



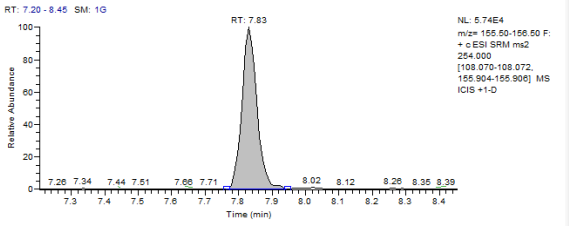
Sulfamethoxydiazine



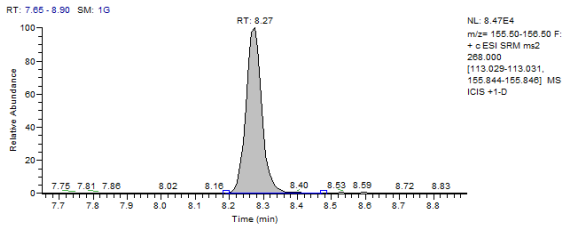
Sulfachlorpyridazine



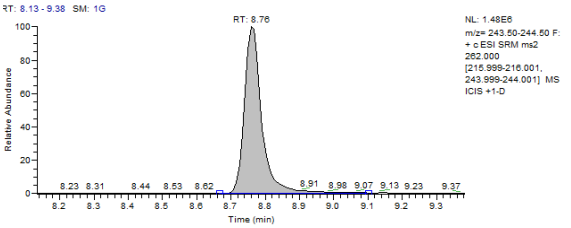
Doxycycline



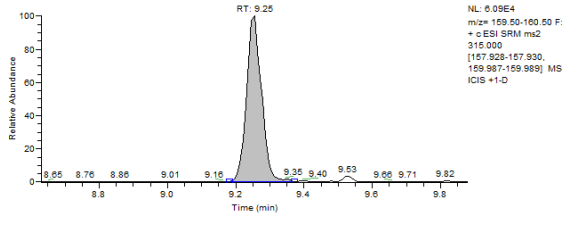
Sulfamethoxazole



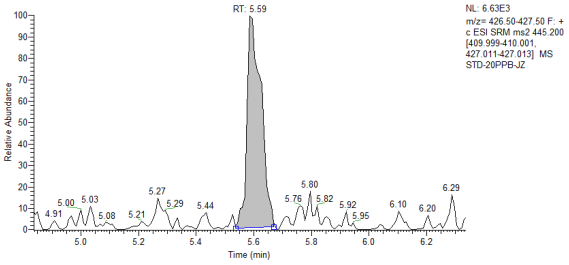
Sulfadimethoxazole



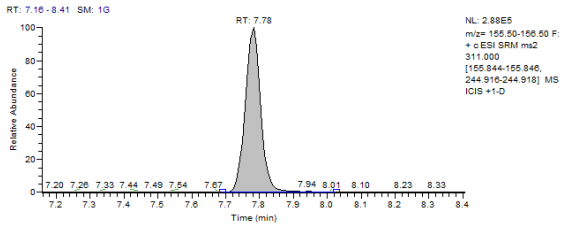
Oxolinic Acid



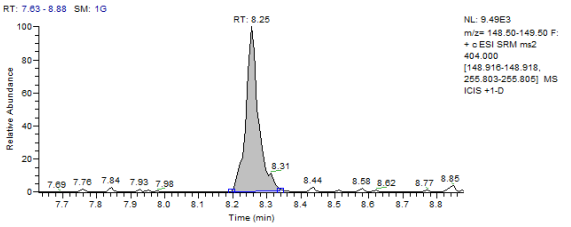
Sulfabenzamide



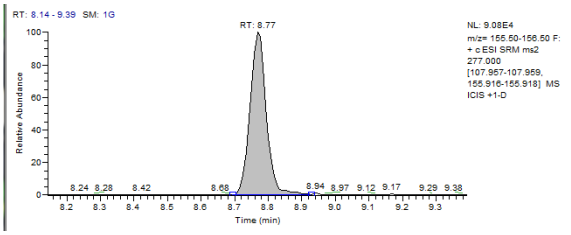
Tetracycline



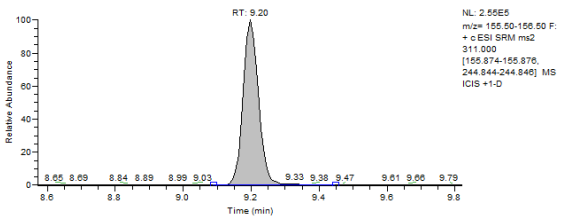
Sulfamonomethoxine



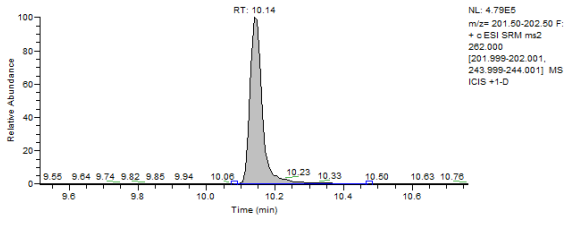
Phthalylsulfathiazole



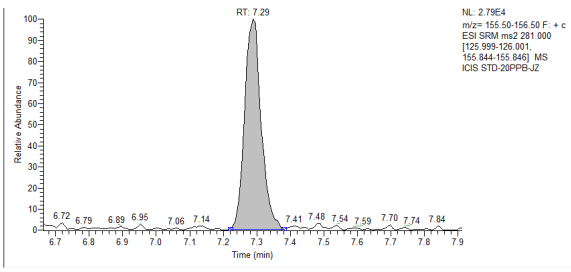
Benzylsulfamide



Sulfamethoxydiazine



Flumequine



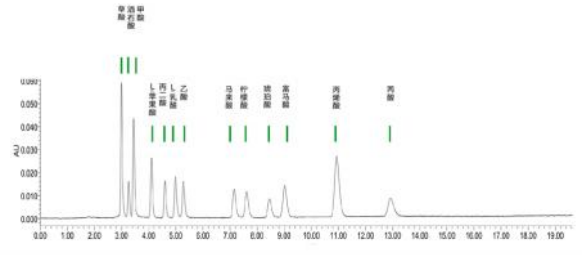
Sulfamethoxypyridazine

Copure® HPLC Columns Specially for Organic Acid

Copure® HPLC columns specially designed for organic acids exhibit excellent polar retention capability and high tolerance for pure aqueous phases. The analysis of organic acids on these columns demonstrates superior peak shapes, which makes it the optimal choice for polar analytes and carboxylic acid substances in liquid chromatography.

Organic Acid

Column: Copure® T3 HPLC Column for Organic Acid(250×4.6mm, 5μm)
Product Code: HT3536
Detector: UV 220nm
Flow Rate: 1mL/min
Column Temperature: 37° C
Mobile Phase: 0.1% Phosphoric Acid Aqueous Solution



Cyromazine Liquid Chromatography Chromatogra

Ordering Information

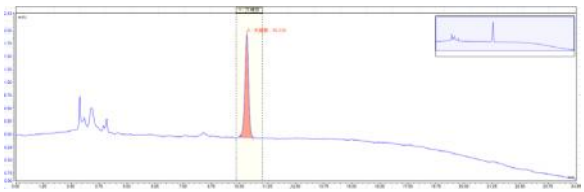
Cat..#	Specification	Qty.
HT3536	4.6mm×250mm， 5μm	1 unit/box

Copure® HPLC Columns Specially for Cyromazine

Copure® HPLC column specially for cyromazine uses ultra-pure silica and exclusive surface bonding and end-capping technologies. It ensures high sensitivity and accuracy for cyromazine detection, as well as a long service life. It meets the requirements for cyromazine residue detection in vegetables as per “NY/T 1725-2009” and in animal foods as per “GB 31658.12-2021 (Food Safety National Standard)” by using high-performance liquid chromatography methods.

Cyromazine

Column: Copure® HPLC Column for Cyromazine (4.6 mm×250 mm, 5 μm)
Product Code: HNH5536
Mobile Phase: A: Water; B: Acetonitrile
Elution Method: A: B=5:95 isocratic elution
Flow Rate: 1 mL/min, Column Temperature: 35° C
Injection Volume: 20μL
Detector: UV Detector
Detection Wavelength: 215 nm



Cyromazine Liquid Chromatography Chromatogra

Ordering Information

Cat..#	Specification	Qty.
HNHS536	4.6mm×250mm， 5μm	1 unit/box

CommaSil®
Chromatography Columns

Commasil Chromatography Columns include both HPLC and GC columns, offering a comprehensive range of products. These columns are widely used in fields such as food safety testing, pharmaceutical analysis, and organic compound analysis. Commasil HPLC and GC columns feature high column efficiency and excellent separation performance. Comparable to Waters and Agilent, they deliver equivalent results with exceptional cost-effectiveness.



CommaSil® HPLC Column



CommaSil® HPLC Columns utilize ultra-pure spherical, and fully porous silica, coupled with mature and stable surface bonding technology and a unique double-end-capping manufacturing process. Strict adherence to quality control standards ensures outstanding stability and reproducibility in every batch. This series of columns encompasses reversed-phase, normal-phase, and special-purpose columns to cater to diverse analysis requirements.

Features:

- Unique double-end-capping technology, maximumly eliminates silicon hydroxyl residue.
- Low metal ions residue, optimize tailing of alkaline substances.
- Good reproducibility, long shelf life, and high cost-effectiveness.
- High column efficiency, high mechanical strength and high performance.
- Excellent lot-to-lot consistency

HPLC Columns Parameters Information Sheet

Separation Mode	Bonded Phase	Carbon Load %	Pore Size (Å)	Particle Size(μm)	pH Range	Surface Area (m2/g)	USP Code
Reverse Phase	C18	18	120	3/3.5/5	2-10	300	L1
	C18-T	18	130	1.7/2.5/3/3.5/5	1-12	180	L1
	C18-P	14	100	3/5	2-8	300	L1
	T_3-H	11	100	1.8/2.5/3.5	2-8	230	L1
	C8	12	120	3/3.5/5	2-10	300	L7
	Phenyl	12	120	3/5	2-8	300	L11
	Phenyl Hexyl	13.5	120	3/3.5/5	2-8	300	L11
	PFP	10	120	3/3.5/5	2-8	300	L43
	C4	3.9	300	3/3.5/5	2-8	200	L26
Normal Phase	Silica	-	120	3/3.5/5	2-7	300	L3
	CN	6	120	3/5	2-8	300	L10
	NH_2	4	130	3.5/5	2-8	300	L8

Universal C18

Universal C18 is crafted from high-purity silica microspheres, ensuring a high level of homogeneity in particle size and pore structure.

Features

- General purpose columns boast ensure column-to-column and lot-to-lot reproducibility.
- Exceptional selectivity and versatility across a wide range of applications.
- Universally applicable to pharmaceutical, environmental, and food safety testing fields.
- Equivelent to Waters Symmetry C18 series.

Carbon Load : 18% Pore Size: 120 Å Particle Size: 3/3.5/5 μm pH Range: 2-10 Surface Area: 300 m^2/g USP Code: L1

C18-P 100% Water Resistant

C18-P retains and separates polar analytes under reversed-phase and HILIC conditions.

Features

- Improves retention of polar compounds while maintaining moderate retention of moderately and strongly hydrophobic compounds.
- Tolerant to 100% aqueous mobile phases.
- Good separation reproducibility.
- Equivelent to Waters Atlantis C18 series

Carbon Load : 14% Pore Size: 100 Å Particle Size: 3/5 μm pH Range: 2-8 Surface Area: 300 m^2/g USP Code: L1

T_3-H Triple Bonding

CommaSil® T_3-H HPLC Column is designed to withstand higher pressure. The sorbent offers better compatibility with various compounds, and compatible with all water phases. The column exhibits excellent acid resistance, while maintaining extremely low column bleed. Also, the unique end-capping technology furtheriy optimizes chromatographic peak shape.

Features:

- Utilizes higher strength silica gel particles, enhancing mechanical stability to withstand the pressure of UPLC system.
- Specifically designed for rapid method, reducing method development time.
- Wider selectivity
- Equivelent to Waters HSS T3 series

C18-H

- C18 functional group
- After special treatment, tolerated a wider pH range
- 1.8um and 3um are available, more suitable for UPLC

C18

- C18 functional group
- PH: 1.5-9
- Excellent hydrophobic selectivity and low hydrogen bonding capacity

C8

- C8 functional group
- Stronger retention than C18 group, shorter retention time for non-polar substances

CN

- CN functional group
- Fast elution of hydrophobic molecules with unique selectivity for polar compounds

NH_2

- NH_2 functional group
- Suitable for the analysis of monosaccharide compounds

SCX

- Sulfonic acid type strong cation exchange silica SCX
- Suitable for the analysis of basic substances, especially amines

PEP

- PEP functional group
- High selectivity for fluorine-containing and halogen-containing compounds



For more details information, please visit our official website at www.biocomma.com/catalogs/to download the catalog.

CommaSil® Gas Chromatography (GC) Columns



CommaSil® Gas Chromatography Columns, performing test strictly for each GC column, have the advantages of high column efficiency, stable product performance, and high sensitivity. CommaSil® GC Columns are widely used in petrochemical, environmental protection, medicine, food, health and other fields.

Features

- High column efficiency, good separation effect
- High quality and competitive price, highly competitive choice
- Stable performance and long shelf life

Ordering Information

Cat. #	Fixative Composition	Stationary Phase	Equivalence	Specification
CS30025025CB1	100% Dimethicone	100% Dimethylpolysiloxane	DB-1, HP-1	30m*0.25mm*0.25μm
CS30025025CB5	5% Phenyl 95% Dimethicone	(5%-Phenyl)-methylpolysiloxane	DB-5, HP-5	30m*0.25mm*0.25μm
CS30025025PEG	Polyethylene glycol	Polyethylene glycol (PEG)	HP-INNOWax, DB-WAX	30m*0.25mm*0.25μm
CS30025025PFAP	Modified polyethylene glycol	Nitroterephthalic acid modified polyethylene glycol	HP-FFAP, DB-FFAP, CB-WAX	30m*0.25mm*0.25μm
CS30025025CB225	50% Cyanopropylphenyl 50% Dimethicone	(50%-Cyanopropylphenyl)-dimethylpolysiloxane	DB-225	30m*0.25mm*0.25μm
CS30025025CB35	35% Phenyl 65% Dimethicone	(35%-Phenyl)-methylpolysiloxane	HP-35MS, DB-35	30m*0.25mm*0.25μm
CS30025025CB624	6% Cyanopropylphenyl 94% Dimethicone	(6%-Cyanopropyl-phenyl)-methylpolysiloxane	HP-1301, DB-1301	30m*0.25mm*0.25μm
CS30025025CB1701	14% Cyanopropylphenyl 86% Dimethicone	(14%-Cyanopropyl-phenyl)-methylpolysiloxane	DB 1701	30m*0.25mm*0.25μm
CS30025025CB17	50% Phenyl 50% Dimethicone	(50%-Phenyl)-methylpolysiloxane	DB-17, DB-17ms	30m*0.25mm*0.25μm
CS30025025CBPONA	100% Dimethicone	100% Dimethylpolysiloxane	HP PONA, Petrocol DH	30m*0.25mm*0.25μm



Copure® Pro TIPS QuEChERS

In today's highly competitive laboratory environment, the demand for high-throughput sample processing has grown significantly. Copure® Pro TIPS QuEChERS offers innovative sample preparation technology and customized solutions to help you easily tackle high-throughput experimental challenges.

01 Innovative Design for High-Throughput Production

Specifically designed for automated large-scale production, perfectly suited for high-throughput laboratory needs.

02 High Recovery Rate, Reliable Results

Offers recovery rates and purification effectiveness comparable to Traditional QuEChERS Methods.

03 Superior Stability, Reduzing Experimental Errors

With meticulously designed adsorbents and stringent preparation processes, significantly reduces experimental errors, ensures highly consistent results.

04 Lower Sample Volume, Enhanced Efficiency

Supports high-throughput while optimizing sample volume for greater efficiency.

05 Multiple Specifications, Customized Solutions

Available in various specifications, supporting modified carbon in the range of 10-100 mg, to meet diverse laboratory requirements.

06 Enabling Unlimited Possibilities

Through collaboration with our clients, we not only address chemical challenges but also create more possibilities through the innovation of Copure® Pro TIPS QuEChERS.

High Throughput Solutions for Efficient Experiments!



Copure®

High Throughput Cleanup Solutions

In modern analytical laboratories, efficient and precise sample preparation is a critical step in ensuring the accuracy of results. To meet this demand, Biocomma has introduced Copure® Pro High Throughput Cleanup Solutions, specifically designed to handle higher sample volumes. These products not only increase the speed of sample processing but also ensure excellent recovery rates and reproducibility, enabling researchers to achieve higher precision results in less time.

This product range includes the Copure® pro 24-well plates, concentrated and multifunctional high-throughput extraction-cleanup plates, and the TIPS QuEChERS series. These products are designed for simultaneous processing of up to 24-96 samples, guarantee ingexceptional recovery rates and reproducibility in high-throughput applications, providing stable and reliable solutions that save time while enhancing the accuracy of analytical results for researchers.

Copure® High Throughput Residue Analysis of Veterinary Drug Solution

Copure®24-Well HLB Lim Plates

Features

- ✔ **High-Throughput:** 24 samples can be processed at a time, suitable for automated preparation workstations
- ✔ **Limited Matrix Effects:** HLB Lim media removes interference impurities such as fat, phospholipid and pigment quickly and efficiently
- ✔ **Good Stability:** reduce experimental error, higher reproducible data
- ✔ **Easy Operation:** skipped activation and equilibration steps, collocated, cooperates with biocomma® Positive Pressure 24 Processor to simplify the purification process



Procedures

Copure® 24-Well HLB Lim Plates



1. Pipette the sample supernatant to a Copure® 24-Well HLB Lim Plates.



2. Filter with biocomma® Positive Pressure 24 Processor.



3. Concentrate by biocomma® 24-Well Plate Intelligent Nitrogen Evaporator



4. Filter by biocomma® Syringe Filter and Sample Vials.



5. Liquid chromatography mass spectrometry analysis.

Total Ion Chromatogram of 36 Veterinary Residues in Pork Samples

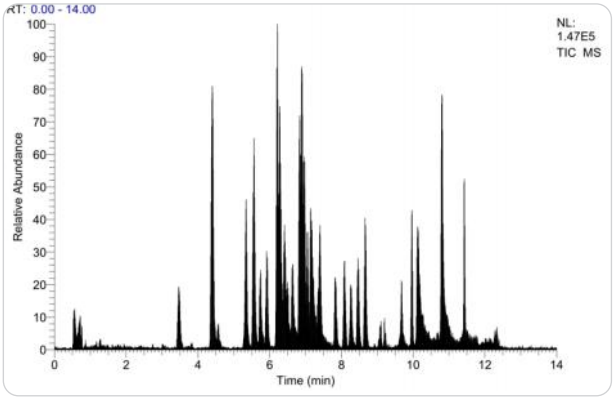


Figure 1 Total Ion Chromatogram of 36 Veterinary Residues in Pork Samples at an Addition Level of 10 μg/kg

Total Ion Chromatogram of 36 Veterinary Residues in Shrimp Samples

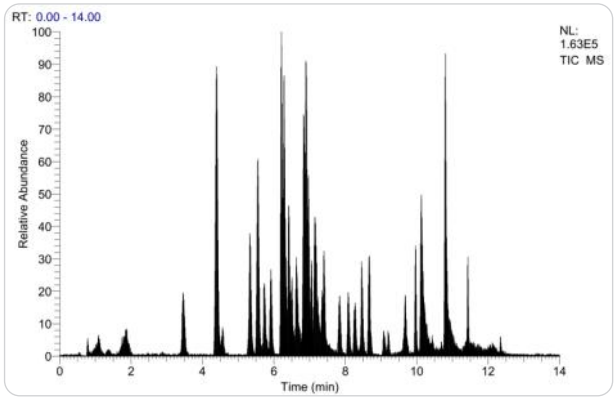


Figure 2 Total Ion Chromatogram of 36 Veterinary Residues in Shrimp Samples at an Addition Level of 10 μg/kg

Total Ion Chromatogram of 36 Veterinary Residues in Chicken Samples

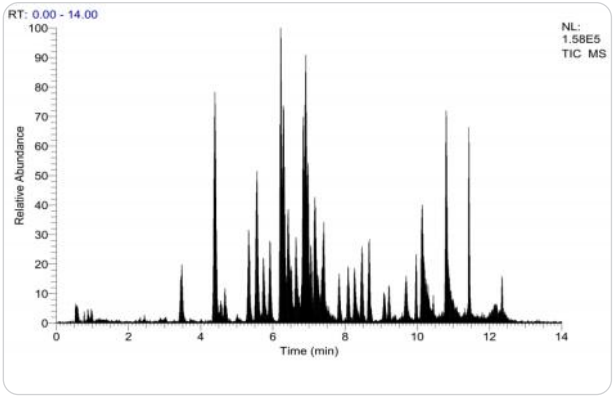


Figure 3 Total Ion Chromatogram of 36 Veterinary Residues in Chicken Samples at an Addition Level of 10 μg/kg

Conclusion:

This solution uses the HLB Lim 24-well purification plate to achieve rapid, high-throughput detection of 36 veterinary drug residues. A method has been established for the LC-MS/MS determination of residues of 36 drugs, including tetracyclines, sulfonamides, and nitrofurans, in animal food products (pork and chicken) and aquatic products (shrimp).

The spiked recovery rate at two levels (10 ng/g and 20 ng/g) ranges from 60–110%, with a recovery CV value less than 10% (n=8), meeting standard requirements for recovery and precision.

Ordering Information

Cat..#	Description	Qty.
COHLB24200-lim	HLB Lim 24-Well Purification Plate	1 Pc/box
SDC-4000-E	biocomma® Multi-Tube Vortex Mixer	1 Set/box
ASF130-22-NL	Nylon Syringe Filter, Diameter 13 mm, Pore Size 0.22 μm, Organic	100 pcs/box
SC2-1	2 mL Blue Screw Cap Vial, White PTFE/Red Silicone Septa, 9-425	100 pcs/box
V2-AL-N	2 mL Aluminum Screw Cap Sample Vial, Step Insert 11.6*32 mm, 9-425	100 pcs/box
BCY2402-E	24-Well Positive Pressure Extraction Device	1 Set/box
24WP-S100	24-Well Collection Plate	1 Pc/box
BN24-E	Intelligent Nitrogen Evaporator	1 Set/box

Copure® High Throughput Pesticide Residue Purification Solution

Copure® 24-Well Pesticide Residue Purification Plate

Features

- **High Throughput:** 24 samples can be processed at a time, suitable for automated preparation workstations
- **High Recovery Rate:** equivalent to the recovery rate and purification effect of the Traditional QuEChERS method
- **Good Stability:** reduce experimental error, higher reproducible data
- **No Syringe Filter Needed:** the sample filtered with 0.22μm nylon membrane can be tested on the machine directly
- **Easy Operation:** collocate with biocomma® Positive Pressure 24 Processor to simplify the purification process

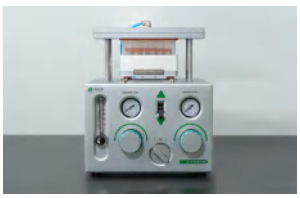


Procedures

Copure® 24-Well Pesticide Residue Purification Plates



1. Pipette the sample supernatant to a Copure® 24-Well Pesticide Residue Purification Plate.



2. Filter with biocomma® Positive Pressure 24 Processor, and the sample vials are placed in the sample vial tray to collect the sample.



3. Cap the vials, no syringe filter filtration needed.



4. Direct mass spectrometry analysis.

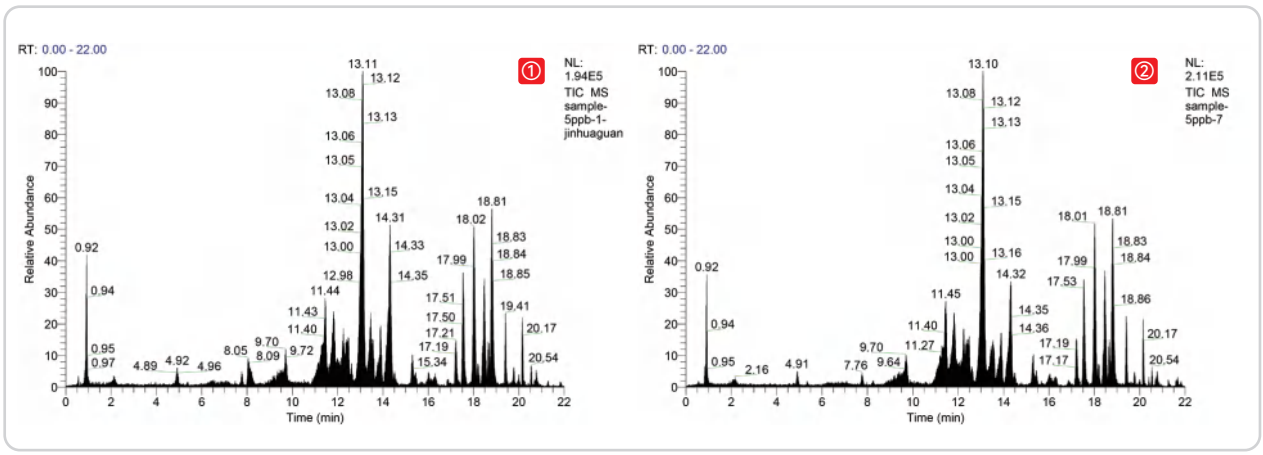


Figure 2 TIC Chromatograms of Multi-Pesticide Residues After Different Purification Methods (5 ng/g)
(① Traditional QuEChERS Method ② Copure® 24-Well Pesticide Residue Purification Plates)

Strawberry

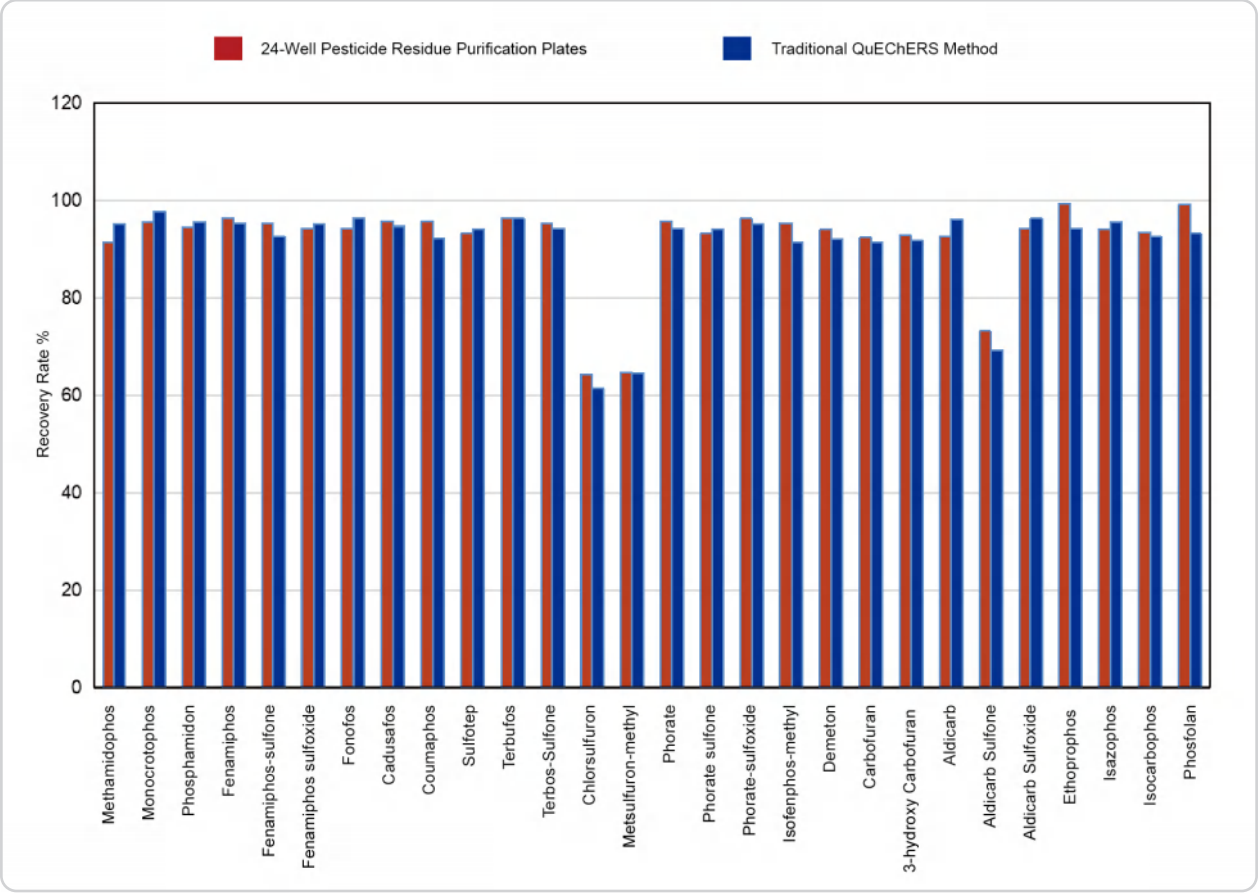


Figure 1 Recovery Rate Comparison of Multi-Pesticide Residues (5 ng/g)

Conclusion:

Based on the experimental results, the Copure® pro 24-Well Pesticide Residue Purification Plate demonstrates better stability in experimental data, simpler and more convenient operation, reduces testing time, and significantly improves detection efficiency.

Ordering Information

Cat..#	Description	Qty.
NC24001	Copure® 24-Well Pesticide Residue Purification Plates (suitable for vegetables, fruits and edible fungi with light pigment)	1 Pc/Box
NC24002	Copure® 24-Well Pesticide Residue Purification Plates (suitable for vegetables, fruits and edible fungi with dark pigment)	1 Pc/Box
NC24003	Copure® 24-Well Pesticide Residue Purification Plates (suitable for grains, oil and nuts)	1 Pc/Box
NC24004	Copure® 24-Well Pesticide Residue Purification Plates (suitable for tea and spices)	1 Pc/Box
COQ050010H	Extraction Salts + 50 mL Tube: 4 g $MgSO_4$, 1 g NaCl, 1 g Trisodium Citrate, 0.5 g Disodium Citrate	50 Pcs/Box
COQ050020H	Extraction Salts + 50 mL Tube: 6 g $MgSO_4$, 1.5 g NaOAc	50 Pcs/Box
SDC-4000-E	Biocomma® Multi-Tube Vortex Mixer	1 Set/Ctn.
NC24DZ	24-Well Vial Tray	1 Set/Ctn.
BCY2402-E	Positive Pressure 24 Processor	1 Set/Ctn.
BN24-E	Intelligent Water Bath Nitrogen Evaporator	1 Set/Ctn.

Copure® Fast Mycotoxin Determination Solution

Copure® 24-Well Multi-Functional Purification Plates

Features

- **High throughput:** process 24 samples in one time, suitable for automated sample preparation workstations.
- **High recovery rate:** good purification effect, no background interference, high recoveries
- **Good stability:** reduce experimental errors, highly reproducible experimental data.
- **Simple and fast:** the purification can be finished within 30 seconds. Achieve selective adsorption of impurities such as pigments, lipids, and proteines in sample.



Procedures

Copure® 24-Well HLB Lim Plates



1. Pipette the sample supernatant to a Copure® 24-Well Multi-Functional Purification Plates.



2. Filter with biocomma® Positive Pressure 24 Processor.



3. Concentrate by biocomma® 24-Well Plate Intelligent Nitrogen Evaporator



4. Filter by biocomma® Syringe Filter and Sample Vials.



5. Liquid chromatography mass spectrometry analysis.

Corn Flour

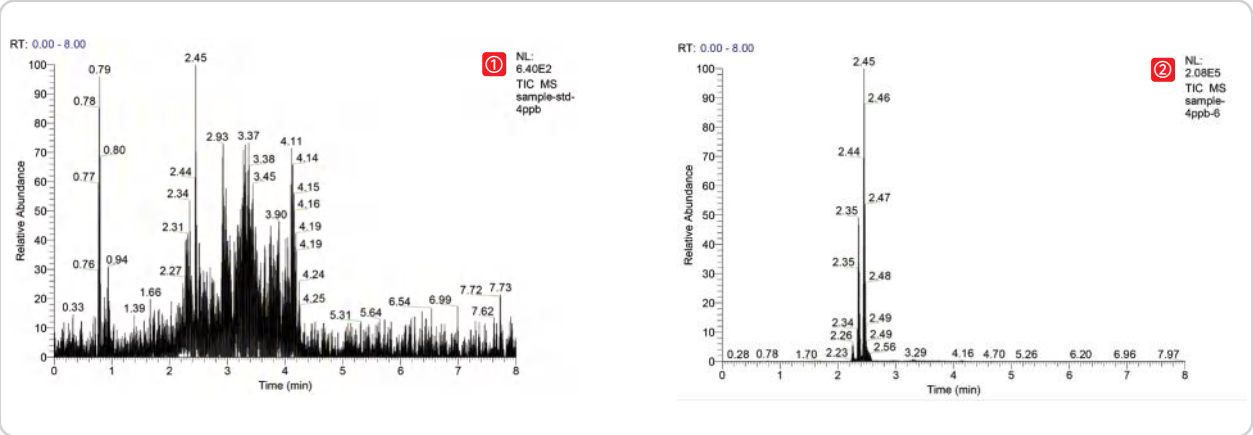


Figure 1 TIC Chromatograms of Corn Flour Sample

(① Before Purification ② After Purification by Copure® 226 Multifunctional Clean-Up Plate)

Test	Spike (ng/g)	Copure® 226 Multifunctional Clean-Up Plate	
		Recovery(%, n=24)	CV (%)
AFT B1	0.5	105	3.92
	1.0	101	2.41
AFT B2	0.5	102	4.12
	1.0	95.8	4.15
AFT G1	0.5	105	2.69
	1.0	104	4.13
AFT G2	0.5	101	4.28
	1.0	95.4	3.75

Based on Figure 1, the impurities are obviously adsorbed, therefore miscellaneous peaks are fewer in the TIC chromatogram. As result, the purified sample is cleaner, and the purification effect is better.

Based on Table 1, the recovery rates of aflatoxin in the 24 wells are between 90-110%, and the CV value of the recovery rate between wells is less than 5%, which meets the standard of experimental requirements.

Conclusion

According to the results, the Copure® 24-Well Multi-Functional Purification Plates are more stable. The miscellaneous peaks are less on the chromatogram, and no interfering peaks next to the target peaks result in more accurate quantification.

Ordering Information

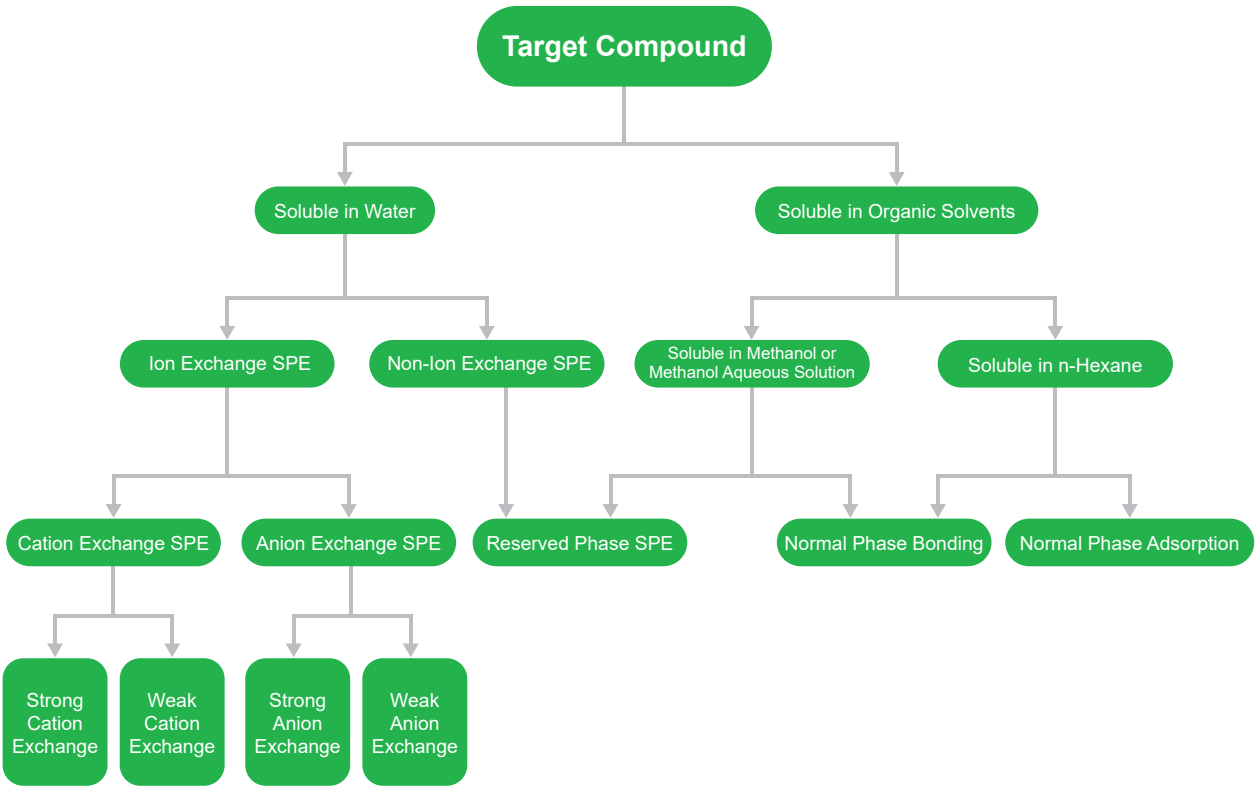
Cat. #	Description	Application	Qty.
COAF228-GTL	Copure® 228 Multifunctional Clean-Up Plate	Patulin, Aflatoxin B1, B2, G1, G2	1 Pc/Box
COAF226-GTL	Copure® 226 Multifunctional Clean-Up Plate	Zearalenone, Alatoxin B1, B2, G1, G2	1 Pc/Box
COAF224-GTL	Copure® 224 Multifunctional Clean-Up Plate	Zearalenone	1 Pc/Box
COAF223-GTL	Copure® 223 Multifunctional Clean-Up Plate	Aflatoxin M1, M2	1 Pc/Box
COAF230-GTL	Copure® 230 Multifunctional Clean-Up Plate	Deoxynivalenol	1 Pc/Box
COAF229-GTL	Copure® 229 Multifunctional Clean-Up Plate	Ochratoxin	1 Pc/Box
COAF302-GTL	Copure® 302 Multifunctional Clean-Up Plate	Aflatoxins group B, G, M, zearalenone. Vomitoxin, T-2 toxin, ochratoxin, fumonisin. 3-acetoxydeoxynivalenol. 15-acetyldeoxynivalenol	1 Pc/Box
BCY2401-E	Positive Pressure 24 Processor		1 Set/Ctn
BCN2403-E	24-Well Plate Intelligent Nitrogen Evaporator		1 Set/Ctn

Copure® SPE

Copure® SPE products include polymer sorbent, SPE cartridges and special SPE cartridges, etc., which are widely applied in food analysis and testing for pesticide and veterinary drug residues, food additives, mycotoxins, pollutants, etc.



SPE Cartridge Sorbent Selection Guide



Mechanism of Action

Type	Reversed Phase	Normal Phase	Ion Exchange	Other
Mechanism	The reversed phase column sorbent is less polar substance, which extract medium or less polar substances from the extracts through hydrophobic interaction.	The normal phase column sorbent is a strong polar substance, which extracts strong polar substance from the extract through hydrophilic interaction.	The ion exchange column sorbent is charged, which extract corresponding charged ions by interaction force.	Solid Supported Liquid-Liquid Extraction (SLE), Graphite-Carbon Black (GCB), etc.
Typical Application	Degreasing by reversed phase column in the detection of veterinary drug residues in foods of animal origin.	Remove organic acids from plant-based foods by normal phase column in pesticide residues test.	The MCX column adsorbs the target alkaline compounds such as melamine, ractopamine, etc., then rinse to remove impurities.	Extract aromatic amines in aqueous solution by SLE in azo dyes detection.

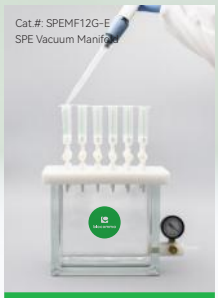


Solid Phase Extraction Cartridge Operation Procedures

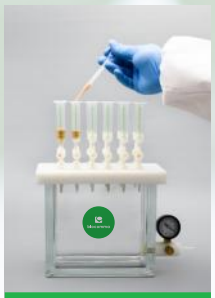
Distinguish whether the SPE cartridge is used to adsorb the target compound or impurities before experiment. If the SPE cartridge adsorbs the target compound, process will be in 4 steps: activating, loading, washing and elution. If the SPE cartridge adsorbs the impurities, process will be in 3 steps: activating, loading and elution.

1-2 mL/min flow rate and Vacuum Manifolds with pressure control function are recommended.

General Procedures



① Activating



② Loading



③ Washing



④ Elution



⑦ Analysis



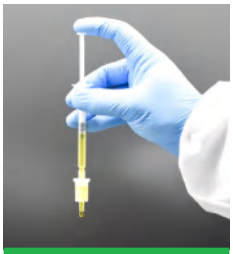
⑥ Filtration



⑤ Concentration

SPE Cartridge Directions


Gravity Method


Ion Exchange, Syringe Method


Positive Pressure Method


SPE Vacuum Manifold

Solvent Selection:

SPE Cartridges	Category	Low Elution Strength Solvent (Weak Solvent)	High Elution Strength Solvent (Strong Solvent)
Reversed Phase Cartridges	HLB, C18, C8	Water, Acetonitrile, Methanol	Ethyl, Acetate, Ether
Normal Phase Cartridges	Florisil, ALN, Silica	n-Hexane, Cyclohexane	Acetone, Dichloromethane
Cation Exchange Cartridges	MCX, SCX, WCX, PRS	Acidic or Neutral Solution	Alkaline Solution
Anion Exchange Cartridges	MAX, SAX, WA X	Alkaline or Neutral Solution	Acid Solution

The elution strength gradually increases during the experiments. In general, weak solvent is used during activating and loading. Weak solvent (might mixed with small amount of strong solvent) used during washing. Strong solvent (might mixed with small amount of weak solvent) during elution.

Analysis and Solutions of Low Recovery Rate

① Analyze the Solution Collected Each Step

When the absolute recovery of the target substance is low, detect the solution which is collected after each step, then optimize the filtration method.

Detected Target	Reason	Solution
Sample	Improper strong solvent	Concentrate the sample, change to weak solvent
Wash Solution	Excessive washing	Decrease the volume of wash solution, or decrease the wash strength (increase the proportion of weak solvent or decrease the proportion of strong solvent)
Re-Elute*	Insufficient elution	Increase the elution volume, or increase the eluent strength (decrease the proportion of weak solvent or increase the proportion of strong solvent)

*After elution, elute the SPE cartridge with stronger solvent again

② Add Spike in Different Steps

Detected Target	Reason	Solution
Low recovery of blank spike	Improper SPE cartridge or improper operation	Replace the SPE cartridge or exclude improper solvent
Good recovery of blank spike, but low recovery of pre spike	Matrix effect interference	Optimize pretreatment method or use matrix standard for quantification
Good recovery of pre spike, but low recovery of matrix spike	Low extraction efficiency	Change the extraction solvent or the extraction method

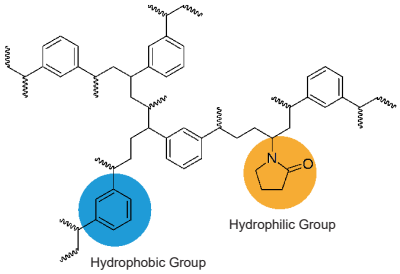
Notes:
① Blank spike: add a spike to pure solvent. ② Pre spike: add a spike to blank matrix extract. ③ Matrix spiked: add a spike to blank matrix.

Solid Phase Extraction (SPE) Cartridge Product List

SorbentPhase	Biocomma	Waters	Agilent	Phenomenex	Supelco	Agela
C18	Copure® C18	Sep-pak tC18	Bond Elut C18	Strata C18-E	Sepelclean ENVI-18	Cleanert C18
C18-Ne	Copure® C18-n	Sep-pak C18	Bond Elut C18 OH	Strata C18-U		Cleanert C18-N
C8	Copure® C8	Sep-pak C8	Bond Elut C8	Strata C8	Sepelclean ENVI-8	Cleanert C8
CN	Copure® CN	Sep-pak CN	Bond Elut CN-E	Strata CN	Sepelclean LC-CN	Cleanert CN
NH_2	Copure® NH_2	Sep-pak NH_2	Bond Elut NH_2	Strata NH_2	Sepelclean LC-NH_2	Cleanert NH_2
PSA	Copure® PSA		Bond Elut PSA	Strata PSA	Sepelclean PSA	Cleanert PSA
SAX	Copure® SAX		Bond Elut SAX	Strata SAX	Sepelclean LC-SAX	Cleanert SAX
SCX	Copure® SCX		Bond Elut SCX	Strata SCX	Sepelclean LC-SCX	Cleanert SCX
Silica	Copure® Silica	Sep-pak SI	Bond Elut SI	Strata SI-I	Sepelclean LC-SI	Cleanert Silica
HLB	Copure® HLB	Oasis HLB	Bond Elut Plexa	Strata-X	Supel-Select HLB	Cleanert PEP
HLB-lim	Copure® HLB-lim	Oasis PRIME HLB				
MCX	Copure® MCX	Oasis MCX	Bond Elut Plexa PCX	Strata-XC	Supel-Select SCX	Cleanert PCX
MAX	Copure® MAX	Oasis MAX	Bond Elut Plexa PAX	Strata-XA	Supel-Select SAX	Cleanert PAX
Florisil	Copure® Florisil	Sep-pak FI	Bond Elut FL	Strata FR-PR	Sepelclean LC-Florisil	Cleanert Florisil
Graphitized Bond	Copure® Carb-GCB		Bond Elut Carbon		Sepelclean ENVI Carb	Cleanert PestiCarb
Alumina-N	Copure® ALN	Sep-pak Alumina-N	Bond Elut Alumina-N	Strata Alumina-N	Sepelclean LC-Alumina-N	Cleanert AluminaN
Alumina-A	Copure® ALA	Sep-pak Alumina-A	Bond Elut Alumina-A	Strata Alumina-A	Sepelclean LC-Alumina-A	Cleanert AluminaA
Alumina-B	Copure® ALB	Sep-pak Alumina-B	Bond Elut Alumina-B	Strata Alumina-B	Sepelclean LC-Alumina-B	Cleanert AluminaB
GCB/NH_2	Copure® Carb-GCB/NH_2		Bond Elut Carb/NH_2		Sepelclean ENVI Carb/NH_2	Cleanert PestiCarb/NH_2
GCB/PSA	Copure® Carb-GCB/PSA		Bond Elut Carb/PSA		Sepelclean ENVI Carb-II/PSA	

Polymer SPE Cartridges

HLB Hydrophilic-Lipophilic Balanced



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

Specifications

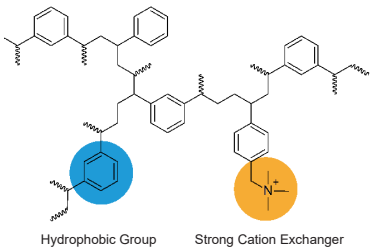
Surface area: 600 m^2/g Particle size: 40 μm Pore size: 300 Å

Ordering Information

Cat..#	Description	Qty.
COHLB130	30mg/1mL	100 Pcs/Box
COHLB360	60mg/3mL	50 Pcs/Box
COHLB3200	200mg/3mL	50 Pcs/Box
COHLB6150	150mg/6mL	30 Pcs/Box
COHLB6200	200mg/6mL	30 Pcs/Box
COHLB6500	500mg/6mL	30 Pcs/Box
COHLB12500	500mg/12mL	20 Pcs/Box

Note: equivalent to Waters Oasis HLB

MAX Mixed-mode Anion Exchange



Extracting acidic compounds

Specifications

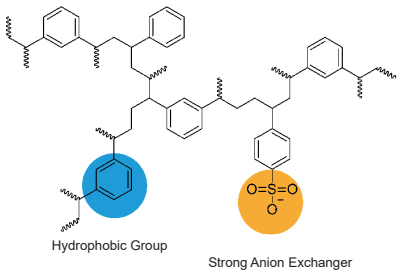
Surface area: 600 m^2/g

Ordering Information

Cat..#	Description	Qty.
COMAX130	30mg/1mL	100 Pcs/Box
COMAX360	60mg/3mL	50 Pcs/Box
COMAX3200	200mg/3mL	50 Pcs/Box
COMAX6150	150mg/6mL	30 Pcs/Box
COMAX6200	200mg/6mL	30 Pcs/Box
COMAX6500	500mg/6mL	30 Pcs/Box
COMAX12500	500mg/12mL	20 Pcs/Box

Note: equivalent to Waters Oasis MAX

MCX Mixed-mode Cation Exchange



Extracting alkaline compounds

Specifications

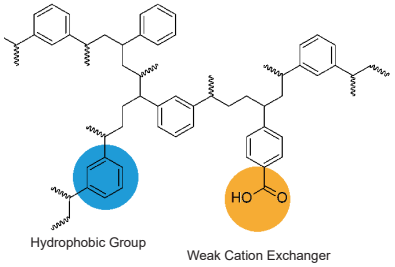
Surface area: 600 m^2/g Particle size:40 μm Pore size: 300 Å

Ordering Information

Cat..#	Description	Qty.
COMCX130	30mg/1mL	100 Pcs/Box
COMCX360	60mg/3mL	50 Pcs/Box
COMCX3200	200mg/3mL	50 Pcs/Box
COMCX6150	150mg/6mL	30 Pcs/Box
COMCX6200	200mg/6mL	30 Pcs/Box
COMCX6500	500mg/6mL	30 Pcs/Box
COMCX12500	500mg/12mL	20 Pcs/Box

Note: equivalent to Waters Oasis MCX

WCX Weak Cation Exchange



Extracting strong bases

Specifications

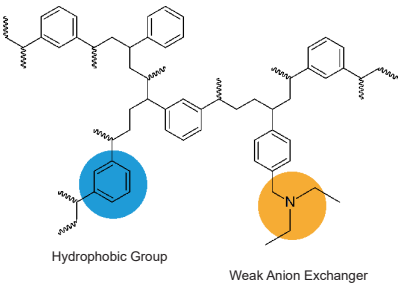
Surface area: 600 m^2/g Particle size:40 μm Pore size:300 Å

Ordering Information

Cat..#	Description	Qty.
COWCX130	30mg/1mL	100 Pcs/Box
COWCX360	60mg/3mL	50 Pcs/Box
COWCX3200	200mg/3mL	50 Pcs/Box
COWCX3500	500mg/3mL	50 Pcs/Box
COWCX6150	150mg/6mL	30 Pcs/Box
COWCX6200	200mg/6mL	30 Pcs/Box
COWCX6500	500mg/6mL	30 Pcs/Box

Note: equivalent to Waters Oasis WCX

WAX Weak Anion Exchange



Extracting strong acids

Specifications

Surface area: 600 m^2/g Particle size: 40 μm Pore size: 300 Å

Ordering Information

Cat..#	Description	Qty.
COWAX130	30mg/1mL	100 Pcs/Box
COWAX360	60mg/3mL	50 Pcs/Box
COWAX3200	200mg/3mL	50 Pcs/Box
COWAX3500	500mg/3mL	50 Pcs/Box
COWAX6150	150mg/6mL	30 Pcs/Box
COWAX6200	200mg/6mL	30 Pcs/Box
COWAX6500	500mg/6mL	30 Pcs/Box

Note: equivalent to Waters Oasis WAX

HLB Lim Cartridges for Multi-Residue Analysis of Veterinary Drug



HLB Lim cartridge is a new type of solid phase extraction column packed with special sorbent. Comparing to traditional SPE cartridges, it removes interfering substances such as fat, phospholipid and pigment faster to reduce matrix effect.

Features

- One step purification and shorter pretreatment time
- High recovery rate and good reproducibility.
- Suitable for multi-matrix and multi-residue analysis of veterinary drug.
- Save solvent and cost

Typical Recovery

Compound	Recovery (%)
Tetracycline	97.7
Chlortetracycline	87.9
Oxytetracycline	87.7
Ractopamine	95.8
Salbutamol	108
Clenbuterol	91.6

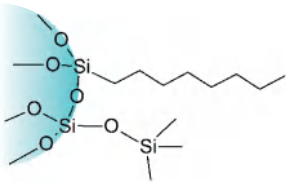
Ordering Information

Cat..#	Description	Qty.
COHLB3200-Lim	Copure® HLB Lim Cartridges,3 mL	50 Pcs/Box

Classic SPE Catridges

C8 Octyl

Extracting non-polar compounds



Specifications

Carbon content: 9% Surface area: 280 m^2/g

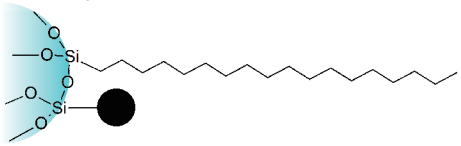
Particle size: 40 - 75 µm Pore size: 70 Å

Ordering Information

Cat. #	Description	Qty.
COC81100	100mg/1mL	100 Pcs/Box
COC83200	200mg/3mL	50 Pcs/Box
COC83500	500mg/3mL	50 Pcs/Box
COC86500	500mg/6mL	30 Pcs/Box
COC861000	1000mg/6mL	30 Pcs/Box
COC8121000	1000mg/12mL	20 Pcs/Box
COC8122000	2000mg/12mL	20 Pcs/Box

C18A Unendcapped Octadecyl

Extracting non-polar compounds



Specifications

Carbon content: 12% Surface area: 300 m^2/g

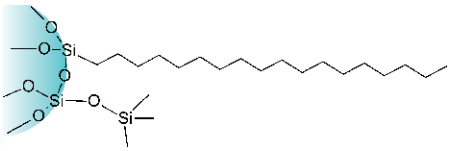
Particle size: 40 - 75 µm Pore size: 70 Å

Ordering Information

Cat. #	Description	Qty.
COC18A1100	100mg/1mL	100 Pcs/Box
COC18A3200	200mg/3mL	50 Pcs/Box
COC18A3500	500mg/3mL	50 Pcs/Box
COC18A6500	500mg/6mL	30 Pcs/Box
COC18A61000	1000mg/6mL	30 Pcs/Box
COC18A121000	1000mg/12mL	20 Pcs/Box
COC18A122000	2000mg/12mL	20 Pcs/Box

C18 Endcapped Octadecyl

Extracting non-polar compounds



Specifications

Carbon content: 17.6% Surface area: 300 m^2/g

Particle size: 40 - 60 µm Pore size: 70 Å

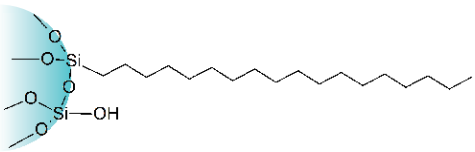
Ordering Information

Cat.#	Description	Qty.
COC181100	100mg/1mL	100 Pcs/Box
COC18360	60mg/3mL	50 Pcs/Box
COC183200	200mg/3mL	50 Pcs/Box
COC183500	500mg/3mL	50 Pcs/Box
COC186500	500mg/6mL	30 Pcs/Box
COC1861000	1000mg/6mL	30 Pcs/Box
COC18121000	1000mg/12mL	20 Pcs/Box
COC18122000	2000mg/12mL	20 Pcs/Box

Note: equivalent to Waters Sep-Pak tC18/C18, Agilent Bond Elut C18, Supelco Supelclean ENVI-18

C18N Unendcapped Octadecyl

Extracting polar and non-polar compounds



Specifications

Carbon content: 17% Surface area: 300 m^2/g

Particle size: 40 - 75 µm Pore size: 70 Å

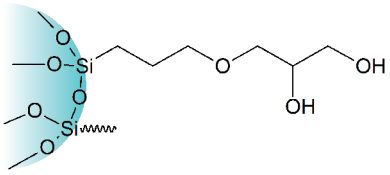
Ordering Information

Cat.#	Description	Qty.
COC18N1100	100mg/1mL	100 Pcs/Box
COC18N3200	200mg/3mL	50 Pcs/Box
COC18N3500	500mg/3mL	50 Pcs/Box
COC18N6500	500mg/6mL	30 Pcs/Box
COC18N61000	1000mg/6mL	30 Pcs/Box
COC18N121000	1000mg/12mL	20 Pcs/Box
COC18N122000	2000mg/12mL	20 Pcs/Box

Note: equivalent to Agilent Bond Elut C18-OH

Diol Dihydroxy

Extracting polar compounds



Specifications

Surface area: 290 m^2/g Carbon content:5.5%
Particle size: 40-75 μm Pore size: 70 Å

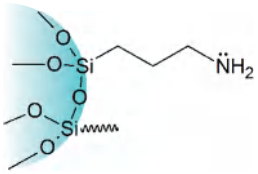
Ordering Information

Cat.#	Description	Qty.
CODI1100	100mg/1mL	100 Pcs/Box
CODI3200	200mg/3mL	50 Pcs/Box
CODI3500	500mg/3mL	50 Pcs/Box
CODI6500	500mg/6mL	30 Pcs/Box
CODI61000	1000mg/6mL	30 Pcs/Box
CODI121000	1000mg/12mL	20 Pcs/Box
CODI122000	2000mg/12mL	20 Pcs/Box

Note: equivalent to Waters Sep-Pak Diol & Agilent Bond Diol 2OH

NH_2 Aminopropyl

Extracting moderately polar and acidic compounds



Specifications

Surface area: 200 m^2/g Carbon content: 4.5%
Particle size: 40-75 μm Pore size: 70 Å

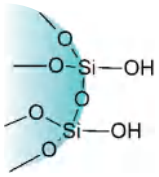
Ordering Information

Cat.#	Description	Qty.
CONH1100	100mg/1mL	100 Pcs/Box
CONH3100	100mg/3mL	50 Pcs/Box
CONH3200	200mg/3mL	50 Pcs/Box
CONH3500	500mg/3mL	50 Pcs/Box
CONH6200	200mg/6mL	30 Pcs/Box
CONH6500	500mg/6mL	30 Pcs/Box
CONH61000	1000mg/6mL	30 Pcs/Box
CONH121000	1000mg/12mL	20 Pcs/Box
CONH122000	2000mg/12mL	20 Pcs/Box

Note: equivalent to Waters Sep-Pak NH2 & Agilent Bond Elut NH2

Silica Unbounded Silica Gel

Extracting polar compounds



Specifications

Surface area: 480 m^2/g
Particle size: 40 - 75 μm
Pore size: 70 Å

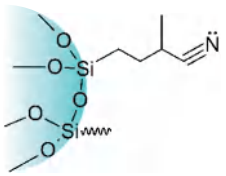
Ordering Information

Cat.#	Description	Qty.
COSIL1100	100mg/1mL	100 Pcs/Box
COSIL3200	200mg/3mL	50 Pcs/Box
COSIL3500	500mg/3mL	50 Pcs/Box
COSIL6500	500mg/6mL	30 Pcs/Box
COSIL61000	1000mg/6mL	30 Pcs/Box
COSIL121000	1000mg/12mL	20 Pcs/Box
COSIL122000	2000mg/12mL	20 Pcs/Box

Note: equivalent to Agilent Bond Elut Silica & Waters Sep-Pak Silica

CN Cyanopropyl

Extracting polar and non-polar compounds, enriching metal ions



Specifications

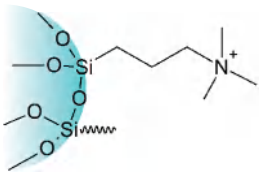
Surface area: 280 m^2/g Carbon content: 5.8%
Particle size: 40 - 75 μm Pore size: 70 Å

Ordering Information

Cat.#	Description	Qty.
COCN1100	100mg/1mL	100 Pcs/Box
COCN3200	200mg/3mL	50 Pcs/Box
COCN3500	500mg/3mL	50 Pcs/Box
COCN6500	500mg/6mL	30 Pcs/Box
COCN61000	1000mg/6mL	30 Pcs/Box
COCN121000	1000mg/12mL	20 Pcs/Box
COCN122000	2000mg/12mL	20 Pcs/Box

SAX Strong Anion Exchange

Extracting acidic compounds



Specifications

Surface area: 510 m^2/g Particle size: 40-75 μm
Pore size: 70 Å

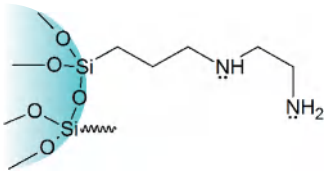
Ordering Information

Cat.#	Description	Qty.
COSAX130	30mg/1mL	100 Pcs/Box
COSAX1100	100mg/1mL	100 Pcs/Box
COSAX3100	100mg/3mL	50 Pcs/Box
COSAX3200	200mg/3mL	50 Pcs/Box
COSAX3500	500mg/3mL	50 Pcs/Box
COSAX6200	200mg/6mL	30 Pcs/Box
COSAX6500	500mg/6mL	30 Pcs/Box
COSAX61000	1000mg/6mL	30 Pcs/Box
COSAX121000	1000mg/12mL	20 Pcs/Box
COSAX122000	2000mg/12mL	20 Pcs/Box

Note: equivalent to Supelco Supelclean LC-SAX

PSA Primary-Secondary Amine

Extracting strong acids, polar compounds and metal ions



Specifications

Surface area: 500 m^2/g Carbon content: 8%
Particle size: 50-75 μm Pore size: 70 Å

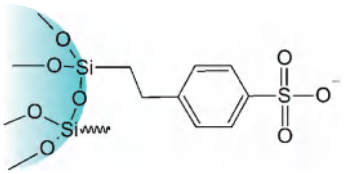
Ordering Information

Cat.#	Description	Qty.
COPSA1100	100mg/1mL	100 Pcs/Box
COPSA3100	100mg/3mL	50 Pcs/Box
COPSA3200	200mg/3mL	50 Pcs/Box
COPSA3500	500mg/3mL	50 Pcs/Box
COPSA6200	200mg/6mL	30 Pcs/Box
COPSA6500	500mg/6mL	30 Pcs/Box
COPSA61000	1000mg/6mL	30 Pcs/Box
COPSA121000	1000mg/12mL	20 Pcs/Box
COPSA122000	2000mg/12mL	20 Pcs/Box

Note: equivalent to Agilent Bond Elut PSA

SCX Strong Cation Exchange

Extracting basic compounds



Specifications

Surface area: 510 m^2/g Particle size: 40 - 75 μm
Pore size: 70 Å

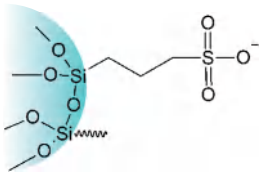
Ordering Information

Cat.#	Description	Qty.
COSCX130	30mg/1mL	100 Pcs/Box
COSCX1100	100mg/1mL	100 Pcs/Box
COSCX3100	100mg/3mL	50 Pcs/Box
COSCX3200	200mg/3mL	50 Pcs/Box
COSCX3500	500mg/3mL	50 Pcs/Box
COSCX6200	200mg/6mL	30 Pcs/Box
COSCX6500	500mg/6mL	30 Pcs/Box
COSCX61000	1000mg/6mL	30 Pcs/Box
COSCX121000	1000mg/12mL	20 Pcs/Box
COSCX122000	2000mg/12mL	20 Pcs/Box

Note: equivalent to Agilent Bond Elut SCX

PRS Propylsulfonic Acid

Extracting weak bases in biological fluids



Specifications

Surface area: 310 m^2/g Carbon content: 4.5%
Particle size: 40-75 μm Pore size: 70 Å

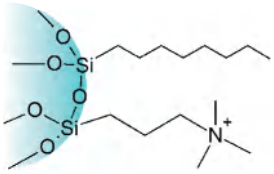
Ordering Information

Cat.#	Format	Qty.
COPRS1100	100mg/1mL	100 Pcs/Box
COPRS3200	200mg/3mL	50 Pcs/Box
COPRS3500	500mg/3mL	50 Pcs/Box
COPRS6500	500mg/6mL	30 Pcs/Box
COPRS61000	1000mg/6mL	30 Pcs/Box
COPRS121000	1000mg/12mL	20 Pcs/Box

Note: equivalent to Agilent Bond Elut PRS

C8/SAX Octyl/Strong Anion Exchange

Extracting acidic drugs in biological fluids



Specifications

Surface area: 510 m^2/g
Particle size: 40-75 μm
Pore size: 70 Å

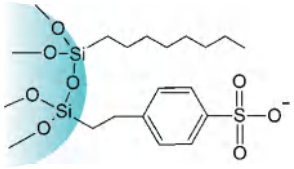
Ordering Information

Cat.#	Description	Qty.
COC8SAX1100	100mg/1mL	100 Pcs/Box
COC8SAX3200	200mg/3mL	50 Pcs/Box
COC8SAX3500	500mg/3mL	50 Pcs/Box
COC8SAX6500	500mg/6mL	30 Pcs/Box
COC8SAX61000	1000mg/6mL	30 Pcs/Box
COC8SAX121000	1000mg/12mL	20 Pcs/Box
COC8SAX122000	2000mg/12mL	20 Pcs/Box

Note: equivalent to Agilent Bond Elut Certify II & Phenomenex Screen-A

C8/SCX Octyl/Strong Cation Exchange

Extracting basic drugs in biological fluids



Specifications

Surface area: 510 m^2/g
Particle size: 40-75 μm
Pore size: 70 Å

Ordering Information

Cat.#	Description	Qty.
COC8SCX1100	100mg/1mL	100 Pcs/Box
COC8SCX3200	200mg/3mL	50 Pcs/Box
COC8SCX3500	500mg/3mL	50 Pcs/Box
COC8SCX6500	500mg/6mL	30 Pcs/Box
COC8SCX61000	1000mg/6mL	30 Pcs/Box
COC8SCX121000	1000mg/12mL	20 Pcs/Box
COC8SCX122000	2000mg/12mL	20 Pcs/Box

Note: equivalent to Agilent Bond Elut Certify & Phenomenex Screen-C

Carb-GCB Graphitized Carbon Black

Extracting herbicides in drinking water

Specifications

Surface area: 100 m^2/g
Particle size: 100-300 mesh

Ordering Information

Cat.#	Description	Qty.
COGCB1100	100mg/1mL	100 Pcs/Box
COGCB3200	200mg/3mL	50 Pcs/Box
COGCB3500	500mg/3mL	50 Pcs/Box
COGCB6500	500mg/6mL	30 Pcs/Box
COGCB61000	1000mg/6mL	30 Pcs/Box
COGCB121000	1000mg/12mL	20 Pcs/Box
COGCB122000	2000mg/12mL	20 Pcs/Box

Note: equivalent to Agilent Bond Elut Carbon

Carb-GCB/PSA

Graphitized Carbon Black/ Primary-Secondary Amine Bilayer

Cleanup of samples in multiresidual pesticide analysis

GCB Specifications

Surface area: 100 m^2/g
Particle size: 100-300 mesh

PSA Specifications

Surface area: 500 m2/g Carbon content: 8%
Particle size: 40-75 μm Pore size: 70 Å

Ordering Information

Cat.#	Description	Qty.
COPSGC32525	250mg/250mg/3mL	50 Pcs/box
COPSGC655	500mg/500mg/6mL	30 Pcs/Box
COPSGC653	300mg/500mg/6mL	30 Pcs/Box

Carb-GCB/NH_2

Graphitized Carbon Black/Aminopropyl Bilayer

Cleanup of samples in multiresidual pesticide analysis

GCB Specifications

Surface area: 100 m^2/g Particle size: 100-300 mesh

NH2 Specifications

Carbon content: 4.5% Surface area: 200 m2/g

Particle size: 40 - 75 μm Pore size: 70 Å

Ordering Information

Cat.#	Description	Qty.
CONHGC32525	250mg/250mg/3mL	50 Pcs/Box
CONHGC655	500mg/500mg/6mL	30 Pcs/Box
CONHGC653	300mg/500mg/6mL	30 Pcs/Box

PH Phenyl

Extracting non-polar compounds

Specifications

Surface area: 480m^2/g Carbon content: 8.8%

Particle size: 40-75 μm Pore size: 70 Å

Ordering Information

Cat.#	Description	Qty.
COPH3500	500mg/3mL	50 Pcs/Box
COPH6500	500mg/6mL	30 Pcs/Box

Florisil Pesticide Grade

Extracting multiresidual pesticides

Specifications

Particle size: 150 - 250 μm

Ordering Information

Cat.#	Description	Qty.
COFL1100	100mg/1mL	100 Pcs/Box
COFL3200	200mg/3mL	50 Pcs/Box
COFL3500	500mg/3mL	50 Pcs/Box
COFL6500	500mg/6mL	30 Pcs/Box
COFL61000	1000mg/6mL	30 Pcs/Box
COFL121000	1000mg/12mL	20 Pcs/Box
COFL122000	2000mg/12mL	20 Pcs/Box

ALA, ALN, ALB

Extracting aromatic amines

Specifications

Surface area >150 m^2/g

pH : Acidic Alumina pH 4.0

Neutral Alumina pH 7.0

Basic Alumina pH 9.5

Ordering Information

① Acidic Alumina (ALA)

Cat.#	Description	Qty.
COALA1100	100mg/1mL	100 Pcs/Box
COALA3200	200mg/3mL	50 Pcs/Box
COALA3500	500mg/3mL	50 Pcs/Box
COALA6500	500mg/6mL	30 Pcs/Box
COALA61000	1000mg/6mL	30 Pcs/Box
COALA121000	1000mg/12mL	20 Pcs/Box
COALA122000	2000mg/12mL	20 Pcs/Box

Note: equivalent to Waters Sep-Pak Alumina-A

② Neutral Alumina(ALN)

Cat.#	Description	Qty.
COALN1100	100mg/1mL	100 Pcs/Box
COALN3200	200mg/3mL	50 Pcs/Box
COALN3500	500mg/3mL	50 Pcs/Box
COALN6500	500mg/6mL	30 Pcs/Box
COALN61000	1000mg/6mL	30 Pcs/Box
COALN121000	1000mg/12mL	20 Pcs/Box
COALN122000	2000mg/12mL	20 Pcs/Box

Note: equivalent to Waters Sep-Pak Alumina-N

③ Basic Alumina(ALB)

Cat.#	Description	Qty.
COALB1100	100mg/1mL	100 Pcs/Box
COALB3200	200mg/3mL	50 Pcs/Box
COALB3500	500mg/3mL	50 Pcs/Box
COALB6500	500mg/6mL	30 Pcs/Box
COALB61000	1000mg/6mL	30 Pcs/Box
COALB121000	1000mg/12mL	20 Pcs/Box
COALB122000	2000mg/12mL	20 Pcs/Box

Note: equivalent to Waters Sep-Pak Alumina-B



Special SPE Cartridges

SLE Cartridges for AZO Dye Testing





Determination of banned azo dyes in textile products

Most currently used dyes and pigments in textile and leather industries are azo dye compounds which under reductive conditions, decompose to form fatty or aromatic amines. Those amines derived from azo compounds, some aromatic amines are believed to be carcinogenic or potentially carcinogenic and are banned in EU, the U.S. and China.

Biocomma provides SLE cartridges dedicatedly optimized for determining banned azo dyes in textile products, helping you manage product quality quickly and reliably and protect the health of your customers.

Features

- Packed with dedicatedly optimized diatomaceous earth
- Frits with excellent flowrate control technology
- Complying with China and EU official methods
- Superb performance proven by China's most authoritative textile testing institute

Typical Recoveries

Analyte	Recovery Rate
2,4-diaminoanisole	>20
o-toluidine	>50
2,4-diaminotoluene	>50
other aromatic amines	>70

Related Methods

- EN 14362-1:2017 Textiles: methods for determination of certain aromatic amines derived from azo colorants

Ordering Information

Cat. #	Description	Qty.
COAZO060	SLE Cartridges for Azo Dye Testing	4 Pcs/PK

SPE Cartridges for Pesticide Residue Testing in Tea

Copure® SPE Cartridges offer good performance for pigment, tea polyphenol, organic acid etc in tea.

Features

- Packed with dedicatedly optimized diatomaceous earth
- Frits with excellent flow rate control technology
- Compliant with China and EU official methods
- Superb performance proven by China's most authoritative textile testing institute

Ordering Information

Cat. #	Description	Qty.
COTPT6	6 mL	30 Pcs/Box
COTPT12	12 mL	20 Pcs/Box

Cartridges for Ion Chromatography Preparation

In ion chromatography, organic, metal and other interfering ions may affect the analysis of target compounds. The pretreatment columns are based on the principle of reversed phase adsorption or ion exchange, can effectively remove interferences and ensure the accuracy of the results.

Ordering Information

Cat. #	Description	Format	Qty.
COICC1801	C18 catridge	300mg	50 Pcs/Box
COICRP01	RP catridge	1mL	50 Pcs/Box
COICH01	H catridge	1mL	50 Pcs/Box
COICAG01	Ag catridge	1mL	50 Pcs/Box
COICNA01	Na catridge	1mL	50 Pcs/Box
COICAGH01	Ag/H catridge	1mL	50 Pcs/Box
COICAGNA01	Ag/Na catridge	1mL	50 Pcs/Box



Destaining Cartridges for Chrome (VI) Testing

Chrome (VI) in leather articles are converted from Chrome (III) in the process of leather production. The toxic substance has been banned by China and EU. To determine Chrome (VI), pigments in leather should be removed firstly.

Destaining cartridges for Chrome (VI) testing are dedicatedly optimized, capable of helping you remove pigments.

Features

- Optimized for destaining leather samples
- Improved recovery and repeatability
- Compliant with official methods

Applications

- Determination of Chrome (VI) in leather.

Related Methods

- ISO 17075:2007 Leather -- Chemical tests -- Determination of chromium(VI) content

Ordering Information

Cat. #	Description	Qty.
COCR3500	500mg/3mL	50 Pcs/Box
COCR6500	500mg/6mL	30 Pcs/Box
COCR121000	1000mg/12mL	20 Pcs/Box



Cartridges for Plasticizer Testing

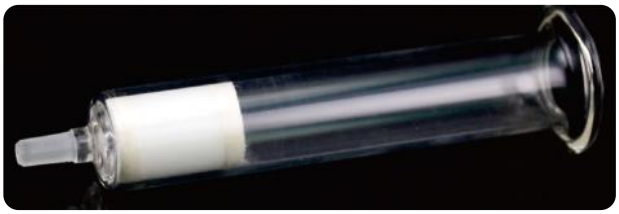
Determination of Phthalate Esters

Plasticizers are currently used in plastics and packaging food contact materials and their products are mostly phthalate esters (PAEs), some of which are carcinogenic and reproductively toxic. As toxic PAEs leached into food cause health risks for human beings, their use is strictly limited in EU, the U.S., China, Japan, etc.

Biocomma's cartridges for plasticizer testing are made of glass tubes and PTFE frits that prevent impurities from being introduced into the sample. Dedicatedly optimized PSA sorbent also enables thorough cleanup and satisfactory recoveries for official methods.

Features

- Chemically inert glass tubes
- High purity PTFE frits
- Satisfactory recoveries for official methods



Applications

- Determination of phthalate esters in foods

Related Methods

- SN/T 3147-2012 Determination of phthalate esters in foods for export

Ordering Information

Cat. #	Description	Qty.
COPAE655	500mg/500mg/6mL	30 Pcs/Box
COPAE61000	1000mg/6mL	30 Pcs/Box

Polyamide(PA) SPE Cartridges

For Testing Artificial Color in Extraction Samples

PA is a macromolecule substance polymerized by Amide monomer(hexanolactam, adipamide, Oxalic acid), its amido linkage is easily to bring Hydrogen bond with other Polar bond groups, this enables to remove interferents such as artificial color from samples, this is used for testing artificial color.

PA SPE cartridges are filled with special optimized PA sorbent which enables its good decoloring and high recovery.



Specifications

- Particle Size: 100-200 mesh

Related Methods

- EN ISO17075-2007 Leather-Chemical Tests-Determination of chromium(VI) content

Ordering Information

Cat. #	Description	Qty.
COPACR36	500mg/3mL	50 Pcs/Box
COPACR66	500mg/6mL	30 Pcs/Box
COPACR61	1000mg/6mL	30 Pcs/Box
COPACR122	2000mg/12mL	20 Pcs/Box

Mycotoxin Testing Solutions

Mycotoxin immunoaffinity column is an affinity chromatography column based om by the principle of immunoaffinity chromatography for the analysis of antigens. After extraction, dilution, and column passing, most impurities can be removed.







Aflatoxin Immunoaffinity Columns

Aflatoxin is a highly toxic substance, which is harmful to human and animal liver tissues. Aflatoxin Immunoaffinity Columns are based on the antigen-antibody specific reaction, binding the antibody to the gel to combine with aflatoxin specificity, thereby achieving the effect of separation and purification.



Ordering Information

Cat.#	Description	Qty.
COAFMT101-25E	Aflatoxin B1,B2,G1,G2 , 1mL	25 Pcs/Box
COAFMT103-25E	Aflatoxin B1,B2,G1,G2 , 3mL	25 Pcs/Box
COAFMB101-25E	Aflatoxin B1, 1mL	25 Pcs/Box
COAFMB103-25E	Aflatoxin B1, 3mL	25 Pcs/Box
COAFMM101-25E	Aflatoxin M1, 1mL	25 Pcs/Box
COAFMM103-25E	Aflatoxin M1, 3mL	25 Pcs/Box

Larger packages of 50 Pcs/Box are also available.

Ochratoxin A Immunoaffinity Columns

Ochratoxin A is commonly found in moldy grains and feed. It comes from the aspergillus and penicillium on various crops (wheat, corn, barley, oats, rye, rice and millet), peanuts, vegetables (beans), etc., which cause enormous harm to the kidneys and livers of human and animal. Ochratoxin A immunoaffinity column can selectively adsorb ochratoxin A in the sample extract, so as to have a very targeted purification effect on ochratoxin A in the sample solution.



Ordering Information

Cat.#	Description	Qty.
COAFOCH101-25E	Ochratoxin A, 1mL	25 Pcs/Box
COAFOCH103-25E	Ochratoxin A, 3mL	25 Pcs/Box

Larger packages of 50 Pcs/Box are also available.

Deoxynivalenol Immunoaffinity Columns

DON, also known as deoxynivalenol, is mostly distributed in wheat, barley, corn and other grains, and has a certain harmful effect on the human body. It is three-level carcinogen in the EU classification standard. DON Immunoaffinity Columns can selectively separate deoxynivalenol from the sample by the specific binding of antibody and antigen to achieve good purification effect.



Ordering Information

Cat.#	Description	Qty.
COAFDON101-25E	Deoxynivalenol, 1mL	25 Pcs/Box
COAFDON103-25E	Deoxynivalenol, 3mL	25 Pcs/Box

Larger packages of 50 Pcs/Box are also available.

Zearalenone Immunoaffinity Columns

Zearalenone is widely found in moldy corn, sorghum, wheat, oats, barley and other cereal crops and milk, and is the most widely contaminated Fusarium toxin in the world. It has estrogenic effects, mainly acts on the reproductive system, and is very harmful to humans and animals. Zearalenone Immunoaffinity Columns can be used to extract and enrich zearalenone from samples ,which makes high targeted purification performance come true.



Ordering Information

Cat.#	Description	Qty.
COAFZEA101-25E	Zearalenone, 1mL	25 Pcs/Box
COAFZEA103-25E	Zearalenone, 3mL	25 Pcs/Box

Larger packages of 50 Pcs/Box are also available.

T-2 Toxin Immunoaffinity Columns

T-2 toxin is a mycotoxin produced by a variety of Fusarium species. It mainly pollutes wheat, barley, corn and other food crops and their products, and poses a great harm to human health and animal husbandry. T-2 toxin immunoaffinity column can selectively adsorb the T-2 toxin in the sample solution to specifically purify T-2 toxin. The purified sample solution can be directly used in the liquid phase test.

Ordering Information

Cat.#	Description	Qty.
COAFT2101-25E	T-2 toxin, 1mL	25 Pcs/Box
COAFT2103-25E	T-2 toxin, 3mL	25 Pcs/Box

Fumonisin FB Immunoaffinity Columns

Fumonisin FB is a mycotoxin, which is a watersoluble metabolite produced by Fusarium moniliforme. It is a kind of diester compound composed by different polyhydric alcohols and glycerol tricarboxylic acid. Fumonisin has FA1, FA2, FB1, FB2, FB3 etc. FB1 is the main component.

Ordering Information

Cat.#	Description	Qty.
COAFFB101-25E	Fumonisin FB, 1mL	25 Pcs/Box
COAFFB103-25E	Fumonisin FB, 3mL	25 Pcs/Box

Citrinin Immunoaffinity Columns

Citrinin is an antibiotic frequently found in food and feed. The Citrinin Immunoaffinity Columns are specialized for the purification of Citrinin from complex matrices. This method offers ease of use, high sensitivity, and reliable results.

Relevant Standards:
GB 5009.222-2016 National Food Safety Standard - Determination of Citrinin in Food

Ordering Information

Cat.#	Description	Qty.
COIAC109-25E	Citrinin, 1mL	25 Pcs/Box
COAFCTN109-3-25E	Citrinin, 3mL	25 Pcs/Box

Lactoferrin Immunoaffinity Columns

Lactoferrin is a naturally occurring protein with immunomodulatory and gut health benefits, widely used in milk and infant formulas. The Lactoferrin Immunoaffinity Columns are specifically tailored for the selective extraction and purification of lactoferrin from milk-based samples. The purified lactoferrin is then analyzed by HPLC or LC-MS for concentration and purity.

Relevant Standards:
GB 5009.299-2024 National Food Safety Standard - Determination of Lactoferrin in Food

Ordering Information

Cat.#	Description	Qty.
COAFHP103-25E	Lactoferrin, 3mL	25 Pcs/Box

Vitamin B12 Immunoaffinity Columns

Vitamin B12, or cobalamin, is a vital water-soluble vitamin that plays an essential role in DNA synthesis and nervous system function. The Vitamin B12 Immunoaffinity Columns provide selective isolation and concentration of pure B12 from food matrices for accurate measurement.

Relevant Standards:
GB 5009.285-2022 National Food Safety Standard - Determination of Vitamin B12 in Food

Ordering Information

Cat.#	Description	Qty.
COAFB12103-25E	Vitamin B12, 1mL	25 Pcs/Box

Tetrodotoxin Immunoaffinity Columns

Tetrodotoxin is an aminoperhydroquinazoline compound, which is one of the most toxic neurotoxins found in nature. It was once considered to be the most toxic non-protein toxin in nature. The toxin has a local stimulating effect on the intestinal tract. After absorption, it acts on nerve endings and nerve centers rapidly. It can block sodium ion channels on nerve excitation membrane with high selectivity and affinity, and block nerve conduction, thus causing nerve paralysis and death. Tetrodotoxin immunoaffinity column has a strong targeted purification effect on the extraction and enrichment of tetrodotoxin.

Ordering Information

Cat.#	Description	Qty.
COAFTTX10-25E	Tetrodotoxin, 1mL	25 Pcs/Box
COAFTTX103-25E	Tetrodotoxin, 3mL	25 Pcs/Box

Multiple-in-One Immunoaffinity Columns

Copure® Multiple-in-One Immunoaffinity columns are highly efficient immunoaffinity columns for the purification of multiple mycotoxins from samples of grain, food, feed, nuts, peanuts, soy sauce, and more. The product utilizes advanced immunoaffinity technology to precisely separate and remove interfering substances from complex matrices, providing higher analytical accuracy.

Two-in-one (AO) Immunoaffinity Columns

Ordering Information

Cat.#	Description	Qty.
COAFAO203-25E	Aflatoxins B1, B2, G1, G2, and ochratoxin A, 3mL	25 Pcs/Box

Three-in-one (ADZ) Immunoaffinity Columns

Ordering Information

Cat.#	Description	Qty.
COAFADZ303-25E	Aflatoxin B1, B2, G1, G2, DON and zearalenone, 3mL	25 Pcs/Box

Four-in-one (ADOZ) Immunoaffinity Columns

Ordering Information

Cat.#	Description	Qty.
COAFADOZ403-25E	Aflatoxin B1, B2, G1, G2, zearalenone, DON, ochratoxin, 3mL	25 Pcs/Box

Hex ADOZ Immunoaffinity Columns

Ordering Information

Cat.#	Description	Qty.
COAFADOZTF603-25E	Aflatoxins (B, G), ochratoxin A, fumonisins, T2 toxin, zearalenone, and deoxynivalenol, Hex ADOZ, 3mL	25 Pcs/Box

ELISA Kit

ELISA (ELISA Kit) is the most widely used technology in enzyme immunoassay. In an ELISA assay, the antigen is immobilized to a solid surface. This is done either directly or via the use of a capture antibody itself immobilized on the surface. The antigen is then complexed to a detection antibody conjugated with a molecule amenable for detection such as an enzyme or a fluorophore.

Features

- This product is a quantitative detection kit based on the principle of immunocompetitive detection.
- It is simple and rapid to use, with accurate results and high sensitivity, and the accuracy rate is more than 95%.
- It is suitable for the detection of mycotoxins in grains, feed ingredients and other samples.

Application

Feed raw materials and finished feed, corn, rice, wheat, flour, nuts, peanuts and peanut products, vegetable oil, soy sauce, vinegar, spices, dairy products, milk, milk powder, cakes, wine, fish offal, fermentation broth, etc.

Ordering Information

Cat.#	Description	Format
BC-201	Aflatoxin B1 ELISA Kit	96 wells
BC-201-48	Aflatoxin B1 ELISA Kit	48 wells
BC-202	Aflatoxin M1 ELISA Kit	96 wells
BC-202-48	Aflatoxin M1 ELISA Kit	48 wells
BC-203	Total Aflatoxin ELISA Kit	96 wells
BC-203-48	Total Aflatoxin ELISA Kit	48 wells
BC-204	Ochratoxin A ELISA Kit	96 wells
BC-204-48	Ochratoxin A ELISA Kit	48 wells
BC-205	Zearalenone ELISA Kit	96 wells
BC-205-48	Zearalenone ELISA Kit	48 wells
BC-206	Deoxynivalenol ELISA Kit	96 wells
BC-206-48	Deoxynivalenol ELISA Kit	48 wells

Copure® Multifunctional Purification Cartridges

Copure® Multi-Functional Purification Column contains multiple adsorption matrices to adsorb quickly and selectively of lipids, organic acids, proteins, pigments and other impurities. The matrices do not absorb the target to realize fast purification.



Features

- Complete purification in 30s
- Easy operation and high efficiency
- Stored at room temperature for more than 18 months
- Recovery rate ≥ 90%, RSD ≤ 5%

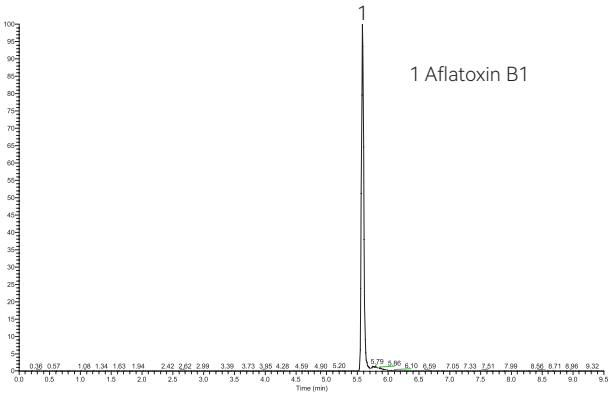


Figure 1 Chromatogram for the detection of aflatoxin B1 in peanut oil spiked at 20 μg/kg

Procedures

1. Extract sample.
2. Add the extracted sample to the test tube and insert the rubber-tipped end of the purification column into the test tube.
3. Push the purification column to the bottom of the test tube.
4. The purified sample passes through sorbent to the top of the purification column.
5. The purified sample can be analyzed after concentrate.

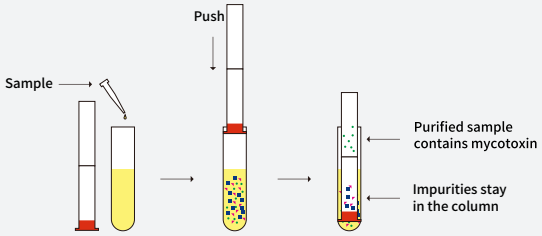


Table 1 Recovery of aflatoxin B1 in 20 μg/kg peanut oil

Compound	Recovery (%)			Average recoveries (%)	RSD (%)
	1	2	3		
Aflatoxin B1	81.9	84.5	82.4	82.9	1.7

Ordering Information

Cat. #	Description	Application	Qty.
COAF228-E	Copure® 228 Multi-Functional Purification Column	Patulin, Aflatoxin B1 B2 G1 G2	25 Pcs/Box
COAF226-E	Copure® 226 Multi-Functional Purification Column	Zearalenone, Aflatoxin B1 B2 G1 G2	25 Pcs/Box
COAF224-E	Copure® 224 Multi-Functional Purification Column	Zearalenone	25 Pcs/Box
COAF223-E	Copure® 223 Multi-Functional Purification Column	Aflatoxin M1 M2	25 Pcs/Box
COAF230-E	Copure® 230 Multi-Functional Purification Column	Deoxynivalenol	25 Pcs/Box
COAF229-E	Copure® 229 Multi-Functional Purification Column	Ochratoxin A	25 Pcs/Box
COAF302-E	Copure® 302 Multi-Functional Purification Column	Aflatoxin Zea Don T2 Och TB	25 Pcs/Box

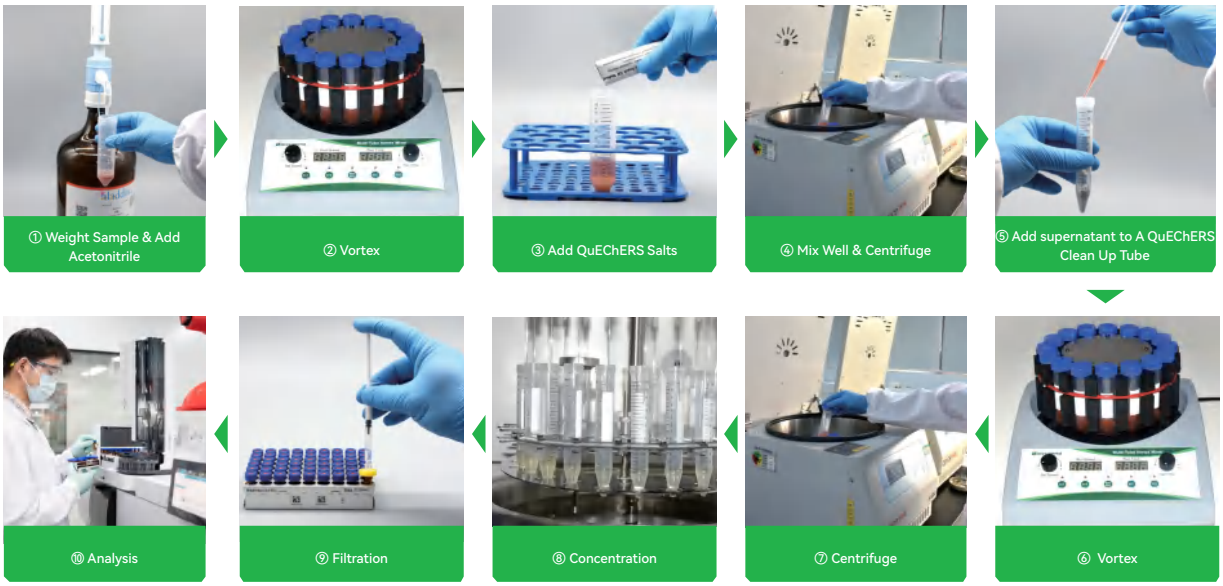
Copure® QuEChERS

In 2003, Michelangelo Anastassiades and Steven J. Lehotay developed a dispersive SPE (dSPE) method called QuEChERS (Quick, Easy, Cheap, Effective, Rugged, and Safe) to simplify the preparation of food samples for pesticide analysis. The groundbreaking preparation method is widely applied to pollution tests related to food safety, environmental water samples and soil pollutants.

Biocomma® offers standard EN and AOAC QuEChERS kits, including centrifuge tubes, extraction tubes, purification tubes, and reagents in Various specifications to help you establish standard detection methods quickly.



General Procedures of QuEChERS



Features

- Good recovery rate for most pesticides, veterinary drugs and additives
- Fewer steps to minimize manual error
- More operators and environment friendly
- Simple, quick, and inexpensive

Standards

- EN 15662 Foods of Plant Origin – Determination of pesticide residues using GC-MS and/or LC-MS/MS following acetonitrile extraction/partitioning and clean-up by dispersive SPE – QuEChERS-method

- AOAC Official Method 2007.01 Pesticide Residues in Foods by Acetonitrile Extraction and Partitioning with Magnesium Sulfate



Copure® QuEChERS Extraction Kits



Copure® QuEChERS Extraction Kits include extraction pouches and 50 mL centrifuge tubes; ceramic homogenizers are also optional.
The pouches contain anhydrous extraction salts. Among the components, $MgSO_4$ is responsible for removing water from samples, while other components are responsible for maintain an appropriate pH to ensure the recoveries of alkaline-sensitive pesticides.

Directly adding water-abundant samples into tubes containing extraction salts may cause local overheating, which compromise the resulting recoveries. To avoid such situations, Biocomma provides separate extraction salt pouches allowing operators to add extraction salts after the addition of organic solvents.

Features

- The salts are sealed in aluminum foil bags to prevent leakage.
- The compositions are printed on the bag for handy choice. and the easy-tear packaging is very convenient to use.
- Automated powder dispensing & packaging assembly line ensure accuracy and repeatability.

Ordering Information

AOAC 2007.01 Kits

Cat.#	Description	Sorbents	Qty.
COQ050020H	Extraction Salts+50 mL Tube	6 g $MgSO_4$ 1.5 g NaOAc	50 Pcs/Box
COQ050020CH	Extraction Salts+50 mL Tube+Ceramic Homogenizers		50 Pcs/Box

EN 15662 Kits

Cat.#	Description	Sorbents	Qty.
COQ050010H	Extraction Salts+50 mL Tube	4 g $MgSO_4$ 1 g NaCl 1 g Trisodium Citrate 0.5 g Disodium Citrate	50 Pcs/Box
COQ050010CH	Extraction Salts+50 mL Tube+Ceramic Homogenizers		50 Pcs/Box

Original Method Kits

Cat.#	Description	Sorbents	Qty.
COQ050040H	Extraction Salts+50 mL Tube	4 g $MgSO_4$ 1 g NaCl	50 Pcs/Box
COQ050040CH	Extraction Salts+50 mL Tube+Ceramic Homogenizers		50 Pcs/Box

Ceramic Homogenizers

Cat.#	Description	Qty.
009903A	Ceramic Homogenizers, 50 mL	100 Pcs/Box

Copure® QuEChERS Premixed Extraction Salts

Copure® QuEChERS Premixed Extraction Salts are suitable for various QuEChERS Standards and used in analysis of multi-pesticide residues.





Features

- Optimized premixed formula, for more flexible operation
- Two packaging options: easy-tear pouches and bottles (sufficient for 150 extractions)
- Suitable for AOAC 2007, EN 15662 standards, etc.

Ordering Information

AOAC 2007.01 Kits

Cat.#	Description	Sorbents	Qty.
COQP6150	Extraction Pouches	6 g $MgSO_4$ 1.5 g NaOAcc	50 Pcs/Box
COQS6150	Bottled Premixed Extraction Salts		1 Kg/Bottle

EN 15662 Kits

Cat.#	Description	Sorbents	Qty.
COQP4115	Extraction Pouches	4g $MgSO_4$ 1g NaCl 1g Trisodium Citrate 0.5g Disodium Citrate	50 Pcs/Box
COQS4115	Bottled Premixed Extraction Salts		1 Kg/Bottle

Original Method Kits

Cat.#	Description	Sorbents	Qty.
COQP4100S	Extraction Pouches	4g $MgSO_4$ 1g NaCl	50 Pcs/Box
COQS4100	Bottled Premixed Extraction Salts		1 Kg/Bottle



Upgrade
QuEChERS Salt
Pouches Easy-Tear

Copure® QuEChERS Clean-Up Kits





Copure® QuEChERS Clean-Up Kits include sorbents and anhydrous $MgSO_4$, as well as 2 mL and 15 mL centrifuge tubes; ceramic homogenizers are optional.
The sorbents include PSA/C18-EC/GCB, etc, PSA is uesd to remove the fatty acids and organic acids from samples. C18-EC is to remove the fats from samples, GCB is to remove the pigments from samples. Choose the appropriate sorbent base on the samples type.

Features

- Supply 2 mL or 15 mL clean-up tubes
- Suitable for AOAC 2007, EN 15662 standards, etc

Ordering Information

BS EN 15662: 2018 Kits

Cat.#	Format	Application	Sorbents	Qty.
COQ002030H	2 mL	General fruits and vegetables	25 mg PSA, 150 mg $MgSO_4$	100 Pcs/Box
COQ015022H	15 mL		150 mg PSA, 900 mg $MgSO_4$	50 Pcs/Box
COQ002032H	2 mL	General fruits and vegetables with fats and waxes	25 mg PSA, 25 mg C18, 150 mg $MgSO_4$	100 Pcs/Box
COQ015032H	15 mL		150 mg PSA, 150 mg C18, 900 mg $MgSO_4$	50 Pcs/Box
COQ002020H	2 mL	General fruits and vegetables with pigments	25 mg PSA, 2.5 mg GCB, 150 mg $MgSO_4$	100 Pcs/Box
COQ015020H	15 mL		150 mg PSA, 15 mg GCB, 900 mg $MgSO_4$	50 Pcs/Box
COQ002024H	2 mL	General fruits and vegetables with highly pigments	25 mg PSA, 7.5 mg GCB, 150 mg $MgSO_4$	100 Pcs/Box
COQ015024H	15 mL		150 mg PSA, 45 mg GCB, 900 mg $MgSO_4$	50 Pcs/Box

Ceramic Homogenizers

Cat.#	Description	Qty.
009902A	Ceramic Homogenizers, 15 mL	100/Bottle
009901A	Ceramic Homogenizers, 2 mL	200/Bottle

AOAC 2007.01 Kits

Cat.#	Format	Application	Sorbents	Qty.
COQ002031H	2 mL	General fruits and vegetables	50 mg PSA, 150 mg $MgSO_4$	100 Pcs/Box
COQ015031H	15 mL		400 mg PSA, 1200 mg $MgSO_4$	50 Pcs/Box
COQ002033H	2 mL	General fruits and vegetables with fats and waxes	50 mg PSA, 50 mg C18, 150 mg $MgSO_4$	100 Pcs/Box
COQ015033H	15 mL		400 mg PSA, 400 mg C18, 1200 mg $MgSO_4$	50 Pcs/Box
COQ002036H	2 mL	General fruits and vegetables with pigments	50 mg PSA, 50 mg GCB, 150 mg $MgSO_4$	100 Pcs/Box
COQ015036H	15 mL		400 mg PSA, 400 mg GCB, 1200 mg $MgSO_4$	50 Pcs/Box
COQ002040H	2 mL	General fruits and vegetables with pigments and fats	50 mg PSA, 50 mg C18, 50 mg GCB, 150 mg $MgSO_4$	100 Pcs/Box
COQ015040H	15 mL		400 mg PSA, 400 mg C18, 400 mg GCB, 1200 mg $MgSO_4$	50 Pcs/Box
COQ002025H	2 mL	Other food methods	25 mg C18, 150 mg $MgSO_4$	100 Pcs/Box
COQ015025H	15 mL		150 mg C18, 900 mg $MgSO_4$	50 Pcs/Box
COQ002035H	2 mL	All food types	50 mg PSA, 50 mg C18, 7.5 mg GCB, 150 mg $MgSO_4$	100 Pcs/Box
COQ015035H	15 mL		400 mg PSA, 400 mg C18, 45 mg GCB, 1200 mg $MgSO_4$	50 Pcs/Box

Copure® QuEChERS Clean-Up Pouches



Copure® QuEChERS Clean-Up Pouches are used for the analysis of multi-pesticide residues. Biocomma utilizes its automatic powder distribution technology to transfer the sorbent into pouches instead of tubes, making it convenient to use with customer's own 15 mL centrifuge tubes.

Features

- Saves 50% of volume, making it convenient for transportation, and saving laboratory space
- Easy-tear packaging allows for easy opening without any tools
- Lower cost, ideal for mass quantity testing

Cat.#	Type	Sorbents	Qty.
COQ015031P	AOAC 2007	400 mg PSA, 1200 mg $MgSO_4$	100 Pcs/Box
COQ015033P	AOAC 2007	400 mg PSA , 400 mg C18, 1200 mg $MgSO_4$	100 Pcs/Box
COQ015036P	AOAC 2007	400 mg PSA, 400 mg GCB, 1200 mg $MgSO_4$	100 Pcs/Box
COQ015040P	AOAC 2007	400 mg PSA, 400 mg C18, 400 mg GCB, 1200 mg $MgSO_4$	100 Pcs/Box
COQ015025P	AOAC 2007	150 mg C18, 900 mg $MgSO_4$	100 Pcs/Box
COQ015035P	AOAC 2007	400 mg PSA, 400 mg C18, 45 mg GCB, 1200 mg $MgSO_4$	100 Pcs/Box
COQ015022P	EN 15662	150 mg PSA, 900 mg $MgSO_4$	100 Pcs/Box
COQ015032P	EN 15662	150 mg PSA, 150 mg C18, 900 mg $MgSO_4$	100 Pcs/Box
COQ015020P	EN 15662	150 mg PSA, 15 mg GCB, 900 mg $MgSO_4$	100 Pcs/Box
COQ015024P	EN 15662	150 mg PSA, 45 mg GCB, 900 mg $MgSO_4$	100 Pcs/Box

QuEChERS Ceramic Homogenizers



Biocomma® Ceramic Homogenizers can be used in Copure® QuEChERS extraction kits and clean-up kits to improve extraction recovery and reproducibility.

Features

- Inert ceramic material, no impurities dissolution
- Shortens sample extraction time and reduces labor cost
- Improves recovery rate and reproducibility of sample extraction

Ordering Information

Cat.#	Description	Qty.
009903A	Ceramic Homogenizers, 50 mL	100 Pcs/Box
009902A	Ceramic Homogenizers, 15 mL	100 Pcs/Box
009901A	Ceramic Homogenizers, 2 mL	200 Pcs/Box

Veterinary Drug Residue Specialty QuEChERS

To address the challenge of rapid detection of veterinary drug residues in animal-derived foods, Biocomma has launched Veterinary Drug Residue Specialty QuEChERS for various types of veterinary drug residues. The specific extraction and clean-up kits are as follows:

Ordering Information

Application	Extraction Kit	Qty.	Clean-Up Kit	Qty.
Sulfonamides	COQ050050H	50 Pcs/Box	COQ015601H	50 Pcs/Box
Hormones	COQ050050H	50 Pcs/Box	COQ015601H	50 Pcs/Box
Chloramphenicol	COQ050050H	50 Pcs/Box	COQ015601H	50 Pcs/Box
Beta-agonist	COQ050050H	50 Pcs/Box	COQ015601H	50 Pcs/Box
Quinolone	COQ050051H	50 Pcs/Box	COQ015601H	50 Pcs/Box
Tetracycline	COQ050051H	50 Pcs/Box	COQ015601H	50 Pcs/Box
Fipronil	COQ050051H	50 Pcs/Box	COQ015602H	50 Pcs/Box
Dimetridazole	COQ050051H	50 Pcs/Box	COQ015603H	50 Pcs/Box
Diethylstilbestrol	COQ050050H	50 Pcs/Box	COQ002603H	100 Pcs/Box



Sample Preparation for Clinical Mass Spectrometry

Biocomma® is specializers in providing innovative solutions in the field of clinical mass spectrometry. Through continuous independent innovation in materials, biocomma offers optimized solutions in technical services to help customers achieve more efficient, higher-quality and more stable products. Sample preparation products for clinical mass spectrometry include 96-well PPT protein precipitation plate, 96-well SLE solid-supported liquid-liquid extraction plate, 96-well PPRP protein phospholipid removal plate and 96-well PPRP phospholipid removal plate, etc.



SpinFlow® 96-Well Micro-Filter Plates

Removable (R-Series):

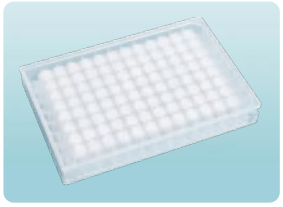
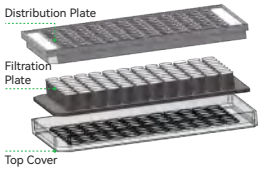
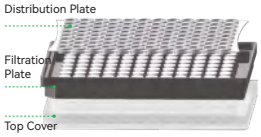
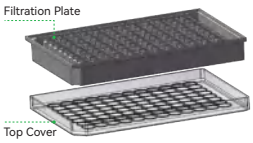
The removable Micro-Filter Plates are R-series filtration plates, consisting of a filtration plate, membrane, and manifold. The easily removable design of the manifold makes them an ideal choice for analyses such as Elispot, PAMPA, and cell screening (migration, invasion, or chemotaxis).

Non-removable (NR-Series):

The non-removable Micro-Filter Plates are NR-series filtration plates, consisting of a filtration plate, membrane, and manifold, with the manifold and filtration plate tightly welded. They are specifically designed for high-throughput use in automated workstations.

Integrated (ONE-Series):

The integrated Micro-Filter Plates are ONE-series filtration plates, consisting of a filtration plate and membrane, without a manifold. They can withstand greater centrifugal forces, reduce nonspecific binding and interference, and are particularly suitable for biochemical screening analyses.

Category	removable Micro-Filter Plates	Non-removable Micro-Filter Plates	Integrated Micro-Filter Plates
Product Line	R-Series	NR-Series	ONE-Series
Filtration Plate Color	Transparent	Transparent	Transparent
Filtration Plate Material	PS	PS	PP
Distribution Plate Material	LEPE Transparent	LDPE Translucent	/
Maximum Plate Volume	350µl	350µl	600µl
Working Volume	50-250µl	50-250µl	50-500µl
Height	11.8mm	16.01mm	14.6mm
Length	128.2mm	128mm	128mm
Width	85.8mm	85.6mm	85.5mm
Filtration Area	0.28cm²	0.28cm²	0.44cm²
Plate Size	96 wells	96 wells	96 wells
Physical Image			
Engineering Drawing			
Negative Pressure Device	009807-B/009807-R	009807-NB/009807-NR	009807-OB/009807-OR

SpinFlow® R-Series Micro-Filter Plates

Ordering Information

Item Number	Product Description	Packaging Specifications
M0096-CA-45	96-well Micro-Filter Plates, 300μL, hydrophilic CA, 0.45μm	10 Pcs/Box
M0096-MCE-22	96-well Micro-Filter Plates, 300μL, hydrophilic MCE, 0.22μm	10 Pcs/Box
M0096-MCE-22-S	96-well Micro-Filter Plates, 300μL, hydrophilic MCE, 0.22μm, sterile	10 Pcs/Box
M0096-MCE-45	96-well Micro-Filter Plates, 300μL, hydrophilic MCE, 0.45μm	10 Pcs/Box
M0096-NL-22	96-well Micro-Filter Plates, 300μL, hydrophilic Nylon membrane, 0.22μm	10 Pcs/Box
M0096-PES-H-22	96-well Micro-Filter Plates, 300μL, hydrophilic PES, 0.22μm	10 Pcs/Box
M0096-PTFE-22	96-well Micro-Filter Plates, 300μL, organic PTFE, 0.22μm	10 Pcs/Box
M0096-PTFE-45	96-well Micro-Filter Plates, 300μL, organic PTFE, 0.45μm	10 Pcs/Box
M0096-PTFE-H-22	96-well Micro-Filter Plates, 300μL, hydrophilic PTFE, 0.22μm	10 Pcs/Box
M0096-PTFE-H-45	96-well Micro-Filter Plates, 300μL, hydrophilic PTFE, 0.45μm	10 Pcs/Box
M0096-PVDF-22	96-well Micro-Filter Plates, 300μL, organic PVDF, 0.22μm	10 Pcs/Box
M0096-PVDF-45	96-well Micro-Filter Plates, 300μL, organic PVDF, 0.45μm	10 Pcs/Box
M0096-PVDF-H-22	96-well Micro-Filter Plates, 300μL, hydrophilic PVDF, 0.22μm	10 Pcs/Box
M0096-PVDF-H-45	96-well Micro-Filter Plates, 300μL, hydrophilic PVDF, 0.45μm	10 Pcs/Box

SpinFlow® NR-Series Micro-Filter Plates

Ordering Information

Item Number	Product Description	Packaging Specifications
MN096-CA-22	Non-removable 96-well Micro-Filter Plates, hydrophilic CA, 0.22μm	10 Pcs/Box
MN096-CA-22-S	Non-removable 96-well Micro-Filter Plates, hydrophilic CA, 0.22μm, sterile	10 Pcs/Box
MN096-CA-45	Non-removable 96-well Micro-Filter Plates, hydrophilic CA, 0.45μm	10 Pcs/Box
MN096-MCE-22	Non-removable 96-well Micro-Filter Plates, hydrophilic MCE, 0.22μm	10 Pcs/Box
MN096-MCE-45	Non-removable 96-well Micro-Filter Plates, hydrophilic MCE, 0.45μm	10 Pcs/Box
MN096-NY-22	Non-removable 96-well Micro-Filter Plates, hydrophilic nylon membrane, 0.22μm	10 Pcs/Box
MN096-NY-45	Non-removable 96-well Micro-Filter Plates, hydrophilic nylon membrane, 0.45μm	10 Pcs/Box
MN096-PES-22	Non-removable 96-well Micro-Filter Plates, hydrophilic PES, 0.22μm	10 Pcs/Box
MN096-PTFE-22	Non-removable 96-well Micro-Filter Plates, hydrophobic PTFE, 0.22μm	10 Pcs/Box
MN096-PTFE-45	Non-removable 96-well Micro-Filter Plates, hydrophobic PTFE, 0.45μm	10 Pcs/Box
MN096-PTFE-H-22	Non-removable 96-well Micro-Filter Plates, hydrophilic PTFE, 0.22μm	10 Pcs/Box
MN096-PTFE-H-45	Non-removable 96-well Micro-Filter Plates, hydrophilic PTFE, 0.45μm	10 Pcs/Box
MN096-PVDF-22	Non-removable 96-well Micro-Filter Plates, hydrophobic PVDF, 0.22μm	10 Pcs/Box
MN096-PVDF-45	Non-removable 96-well Micro-Filter Plates, hydrophobic PVDF, 0.45μm	10 Pcs/Box
MN096-PVDF-H-22-S	Non-removable 96-well Micro-Filter Plates, hydrophilic PVDF, 0.22μm, sterile	10 Pcs/Box
MN096-PVDF-H-45	Non-removable 96-well Micro-Filter Plates, hydrophilic PVDF, 0.45μm	10 Pcs/Box

SpinFlow® ONE-Series Micro-Filter Plates

Ordering Information

Item Number	Product Description	Packaging Specifications
MY096-PTFE-45	Integrated 96-well Micro-Filter Plates, hydrophobic PTFE, 0.45μm	10 Pcs/Box
MY096-PTFE-45-S	Integrated 96-well Micro-Filter Plates, hydrophobic PTFE, 0.45μm, sterile	10 Pcs/Box
MY096-PTFE-22	Integrated 96-well Micro-Filter Plates, hydrophobic PTFE, 0.22μm	10 Pcs/Box
MY096-PTFE-22-S	Integrated 96-well Micro-Filter Plates, hydrophobic PTFE, 0.22μm, sterile	10 Pcs/Box
MY096-PTFE-H-22	Integrated 96-well Micro-Filter Plates, hydrophilic PTFE, 0.22μm	10 Pcs/Box
MY096-PTFE-H-22-S	Integrated 96-well Micro-Filter Plates, hydrophilic PTFE, 0.22μm, sterile	10 Pcs/Box
MY096-PTFE-H-45	Integrated 96-well Micro-Filter Plates, hydrophilic PTFE, 0.45μm	10 Pcs/Box
MY096-PTFE-H-45-S	Integrated 96-well Micro-Filter Plates, hydrophilic PTFE, 0.45μm, sterile	10 Pcs/Box

Copure® 96 Well Protein Precipitation (PPT) Plate

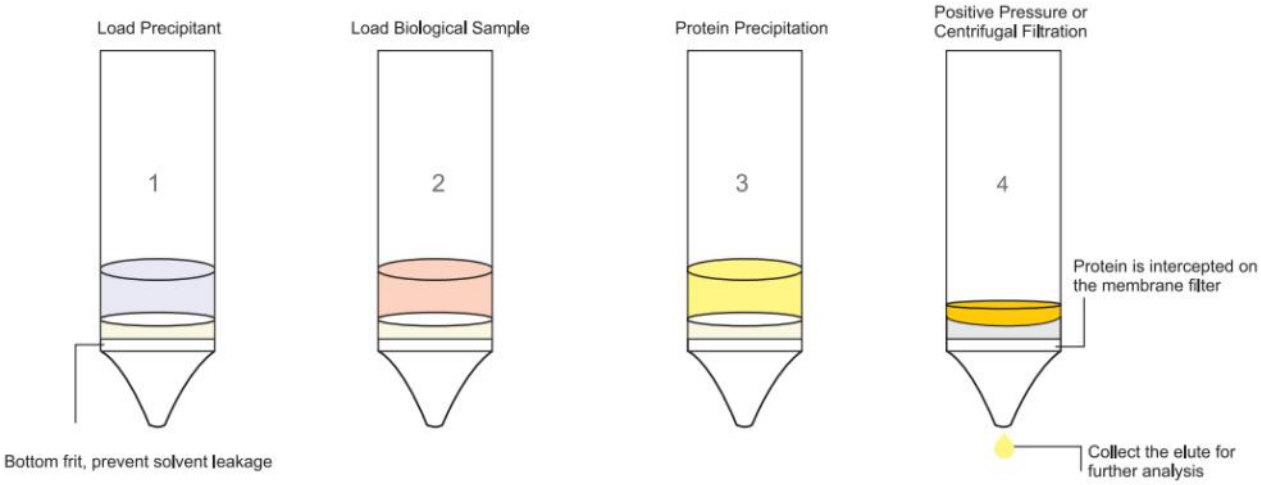




Copure® 96-Well Protein Precipitation (PPT) Plate is designed to remove proteins from biological fluid samples (plasma, serum, or blood), and is suitable for LC-MS/MS clinical detection studies.

Features

- Low adsorption membrane filter is applied, which resistant to pH 0-14
- Membrane filter is made through a special process and does not break at high-speed centrifugation
- Super long retention time, effective interception of precipitator, during with no liquid leakage
- Suitable for clinical diagnosis, pharmacokinetic studies, new drug development and scientific research



General processing method for pretreatment of liquid biological samples by CommaSep™ PPT 96 well protein precipitation plate

Ordering Information

Cat.#	Description	Qty.
MPPT9601	Copure® 96 Well PPT Plate, 1.0 mL/well	1 Pc/Box
MPPT9602	Copure® 96 Well PPT Plate, 2.0 mL/well	1 Pc/Box
M0096-PTFE-H-45	Copure® 96 Well Micro-Filter PPT Plate, 50-250 µL, Hydrophilic PTFE, 0.45 µm	10 Pcs/Box
M0096-PTFE-45	Copure® 96 Well Micro-Filter PPT Plate, 50-250 µL, Organic PTFE, 0.45 µm	10 Pcs/Box
M0096-PTFE-22	Copure® 96 Well Micro-Filter PPT Plate, 50-250 µL, Organic PTFE, 0.22 µm	10 Pcs/Box

Copure® MS Series 96-Well Solid Phase Extraction (SPE) Plates

Copure® MS Series 96-well SPE Plates are designed for high-throughput clinical mass spectrometry, based on biocomma®s special SPE sorbents and core accessories.

The special SPE sorbents have a more uniform particle size, larger specific surface area, higher loading capacity, higher purity, and no background impurities. Copure® MS Series overcames the difficulties of complex matrix of biological samples and extremely low amount of target to achieve excellent purity, excellent stability and low background interference ensuring the quality of analysis.

Beside the products, we also provide applications as reference to address customer concerns. Our products have excellent recovery rates of steroid hormones, catecholamines, vitamins, etc.

Features

- MS Series HLB is a versatile, hydrophilic-lipophilic-balanced reversed-phase sorbent suitable for acidic, basic, and neutral compounds.
- MS Series MCX is a strong cation exchange reversed-phase sorbent with high selectivity for weakly basic compounds.
- MS Series MAX is a strong anion exchange reversed-phase sorbent with high selectivity for weakly acidic compounds.
- MS Series WCX is a weak cation exchange reversed-phase sorbent with high selectivity for strongly basic compounds.
- MS Series WAX is a weak anion exchange reversed-phase sorbent with high selectivity for strongly acidic compounds.

DVfree 96-Well Plates

- No dead volume structure design, no solvent residue, reducing analyte loss.
- 3-5 mg of sorbent per well, suitable for the extraction of trace substances.
- Trace sorbent evenly packed for better results consistency and reproducibility.
- No evaporation or reconstitution necessary due to elution volumes as low as 25 µL.
- Compatible with biocomma® positive pressure devices and most liquid-handling robotic systems for automated, reliable high-throughput solid phase extraction.

Regular 96-Well Plates

- Classic 96-well plate design for greater versatility.
- Available in 10 mg, 30 mg, etc. with high sample loading to meet most customer needs.
- Compatible with biocomma® positive pressure devices and most liquid-handling robotic systems for automated, reliable high-throughput solid phase extraction.

Results

1. MS Series HLB 96-Well Plate recovery and stability results

4 Steroid Hormones in Spiked Plasma				
Concentration (ppb)	Recovery (%,n=24)			
	Cortisone	Corticosterone	Androstenedione	Testosterone
2	82.2	101.0	102.6	128.4
20	102.4	101.0	125.4	125.0

As result, under different spiked concentrations, the four compounds have good recovery.

MS Series HLB Stability	
Compound	CV (%,n=24)
Cortisone	6.00
Corticosterone	5.44
Androstenedione	5.35
Testosterone	6.89

In this experiment, the results of target compound compared from different wells from different plates and batches. The result shows good stability.

2. MS Series WCX 96-well plate stability test

Catecholamine Stability		
Compound	CV (%)	n
NMN	11.63	44
MN	4.75	44

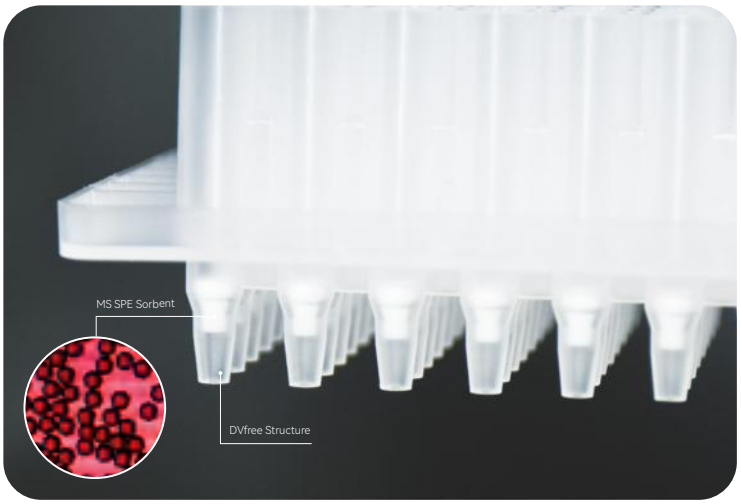
3. MS Series MCX 96-Well Plate recovery and stability results

Thyroid Hormones T3 and T4 in Serum Recovery Rate			
Compound	Recovery (%,n=24)		
	4.5 ppb	18 ppb	45 ppb
T3	86.36	96.15	93.73
T4	103.5	116.2	109.22

As result, under different spiked concentrations, both T3 and T4 have good recovery.

Thyroid Hormones T3 and T4 in Serum Stability		
Compound	CV (%)	n
T3	4.5 ppb	4.88
	18 ppb	2.98
	45 ppb	1.05
T4	4.5 ppb	7.92
	18 ppb	1.41
	45 ppb	0.75

In this experiment, the results of target compound compared from different wells from different plates and batches. The result shows good stability.





Ordering Information

	Cat. #	Description	Specification	Qty.
Dvfree 96-Well Plate	MHLB9603	Copure® MS HLB 96-well plate	3 mg/600 µL	1 PC/PK
	MHLB9605	Copure® MS HLB 96-well plate	5 mg/600 µL	1 PC/PK
	MWAX9603	Copure® MS WAX 96-well plate	3 mg/600 µL	1 PC/PK
	MWAX9605	Copure® MS WAX 96 -well plate	5 mg/600 µL	1 PC/PK
	MWCX9603	Copure® MS WCX 96 -well plate	3 mg/600 µL	1 PC/PK
	MWCX9605	Copure® MS WCX 96-well plate	5 mg/600 µL	1 PC/PK
	MMAX9603	Copure® MS MAX 96-well plate	3 mg/600 µL	1 PC/PK
	MMAX9605	Copure® MS MAX 96-well plate	5 mg/600 µL	1 PC/PK
	MMCX9603	Copure® MS MCX 96-well plate	3 mg/600 µL	1 PC/PK
	MMCX9605	Copure® MS MCX 96-well plate	5 mg/600 µL	1 PC/PK
Regular 96-Well Plates	MHLB9610	Copure® MS HLB 96-well plate	10 mg/1 mL	1 PC/PK
	MHLB9630	Copure® MS HLB 96-well plate	30 mg/1 mL	1 PC/PK
	MWAX9610	Copure® MS WAX 96-well plate	10 mg/1 mL	1 PC/PK
	MWAX9630	Copure® MS WAX 96-well plate	30 mg/1 mL	1 PC/PK
	MWCX9610	Copure® MS WCX 96-well plate	10 mg/1 mL	1 PC/PK
	MWCX9630	Copure® MS WCX 96-well plate	30 mg/1 mL	1 PC/PK
	MMAX9610	Copure® MS MAX 96-well plate	10 mg/1 mL	1 PC/PK
	MMAX9630	Copure® MS MAX 96-well plate	30 mg/1 mL	1 PC/PK
	MMCX9610	Copure® MS MCX 96-well plate	10 mg/1 mL	1 PC/PK
	MMCX9630	Copure® MS MCX 96-well plate	30 mg/1 mL	1 PC/PK
Regular 96-Well Plates	MHLB9610-2	Copure® MS HLB 96-well plate	10 mg/2 mL	1 PC/PK
	MHLB9630-2	Copure® MS HLB 96-well plate	30 mg/2 mL	1 PC/PK
	MWAX9610-2	Copure® MS WAX 96-well plate	10 mg/2 mL	1 PC/PK
	MWAX9630-2	Copure® MS WAX 96-well plate	30 mg/2 mL	1 PC/PK
	MWCX9610-2	Copure® MS WCX 96-well plate	10 mg/2 mL	1 PC/PK
	MWCX9630-2	Copure® MS WCX 96-well plate	30 mg/2 mL	1 PC/PK
	MMAX9610-2	Copure® MS MAX 96-well plate	10 mg/2 mL	1 PC/PK
	MMAX9630-2	Copure® MS MAX 96-well plate	30 mg/2 mL	1 PC/PK
	MMCX9610-2	Copure® MS MCX 96-well plate	10 mg/2 mL	1 PC/PK
	MMCX9630-2	Copure® MS MCX 96-well plate	30 mg/2 mL	1 PC/PK

Additional specifications are available.

Accessories and Sorbents

Empty SPE Cartridge Kits



Biocomma® empty solid phase extraction cartridge kits include empty medical grade PP tubes, porous PE frits and push rods for customers to pack their own sorbents easily and conveniently.

Ordering Information

Cat.#	Description	Qty.
004101-2K	Empty SPE Cartridge Kits for 1 mL Cartridges	100 sets/Box
004102K	Empty SPE Cartridge Kits for 3 mL Cartridges	50 sets/Box
004103K	Empty SPE Cartridge Kits for 6 mL Cartridges	30 sets/Box
004114K	Empty SPE Cartridge Kits for 12mL Cartridges	20 sets/Box
004112K	Empty SPE Cartridge Kits for 20 mL Cartridges	20 sets/Box
004105K	Empty SPE Cartridge Kits for 30 mL Cartridges	50 sets/Box
004106K	Empty SPE Cartridge Kits for 60 mL Cartridges	25 sets/Box
004113K	Empty SPE Cartridge Kits for 300 mL Cartridges	10 sets/Box
004303K	Empty SPE Cartridge Kits for 1 mL Luer-Inlet Cartridges	100 sets/Box
004151K	Empty Glass SPE Cartridge Kits for 6 mL Cartridges	12 sets/Box

Empty SPE Cartridges



Each Biocomma® empty SPE cartridge consists of one empty tube, one top frit and one bottom frit, enabling customers to pack SPE cartridges with their own sorbents for various laboratories needs.
Plastic empty SPE cartridges: injection-molded medical-grade PP tubes with Luer outlets, PE frits, fixing rings for large-volume tubes.
Glass empty SPE cartridges: cast high-purity glass tubes with Luer outlets, PTFE frits.
Plastic empty Luer-inlet SPE cartridges: injection-molded medical-grade PP tubes with Luer inlets and Luer outlets, PE frits.

Features

- Straight walled syringe barrel tubes, made from polypropylene.
- Luer-inlet design for easy connection with solvent reservoirs and pumps.
- Ultrapure sintered PE frits, enabling high-sensitivity analysis.
- 8 different volumes, ranging from 1 mL to 300 mL.

Ordering Information

Cat.#	Description	Qty.
004101	1mL Empty SPE Cartridges	500/Box
004102	3mL Empty SPE Cartridges	100/Box
004103	6mL Empty SPE Cartridges	100/Box
004114	12mL Empty SPE Cartridges	100/Box
004112	20mL Empty SPE Cartridges	50/Box
004105	30mL Empty SPE Cartridges	50/Box
004106	60mL Empty SPE Cartridges	50/Box
004113	300mL Empty SPE Cartridges	10/Box
004151	6mL Empty SPE Cartridges, Glass Tubes, PTFE Frits	30/Box
004152	12mL Empty SPE Cartridges, Glass Tubes, PTFE Frits	20/Box
004301	1mL Empty Luer-Inlet SPE Cartridges	1,000/Box

Frits for SPE Cartridges

Biocomma® frits are core components of our laboratory solid-phase separation products. Our sintered porous polyethylene frits represent Biocomma's innovation in the SPE industry.

Frits immobilize sorbents and control flow rates with a spen pore opening, as indispensable parts of SPE cartridges.

Optimized in flow rate control, purity, stability and solvent compatibility, biocomma® frits for SPE have proven to be an ideal choice for SPE cartridges.

Features

- Frits are made from high-quality UHMW-PE, suitable for ultra-sensitive analysis.
- The optimized uniform flow rate design favors of parallel SPE processing.
- Ultrapure sintered PE frits, enabling high-sensitivity analysis.
- Different sorbents can be compartmentalized with ultrathin frits (as thin as 1.2 mm) in layered cartridges.

Ordering Information

Cat.#	Diameter	Thickness	Used For	Qty.
SPEF058-16-20	5.8 mm	1.6 mm	1 mL SPE Tubes	1,000/Pk
SPEF090-25-20	9.0 mm	2.5 mm	3 mL SPE Tubes	1,000/Pk
SPEF091-25-20	9.1 mm	2.5 mm	3 mL SPE Tubes	1,000/Pk
SPEF130-12-20	13.0 mm	1.2 mm	6 mL SPE Tubes	1,000/Pk
SPEF130-16-20	13.0 mm	1.6 mm	6 mL SPE Tubes	1,000/Pk
SPEF130-25-20	13.0 mm	2.5 mm	6 mL SPE Tubes	1,000/Pk
SPEF158-25-20	15.8 mm	2.5 mm	12 mL SPE Tubes	1,000/Pk
SPEF197-25-20	19.7 mm	2.5 mm	20 mL SPE Tubes	1,000/Pk
SPEF236-25-20	23.6 mm	2.5 mm	30 mL SPE Tubes	1,000/Pk
SPEF266-25-20	26.6 mm	2.5 mm	60 mL SPE Tubes	1,000/Pk
SPEF495-25-20	49.5 mm	2.5 mm	300 mL SPE Tubes	100/Pk
SPEF066-16-20	6.0 mm	1.6 mm	1 mL 96-Well Plates	1,000/Pk
SPEF070-16-20	7.0 mm	1.6 mm	1.5 mL 96-Well Plates	1,000/Pk
SPEF083-16-20	8.3 mm	1.6 mm	1.5 mL 96-Well Plates	1,000/Pk

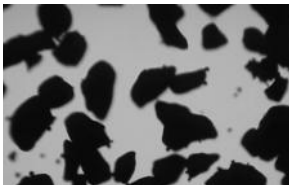


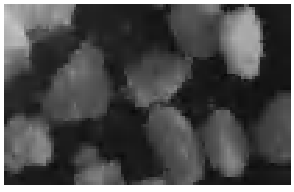
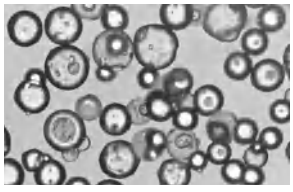
Bulk Sorbents
Suitable for SPE and QuEChERS

Copure® Bulk SPE sorbents are used for packing your own SPE Cartridges or QuEChERS kits.

Ordering Information

Cat.#	Description	Qty.
HLB-1-50	HLB (Hydrophilic-Lipophilic Balance) Polymer	50g/bottle
MCX-1-50	MCX (Mixed Strong Cation Exchange) Polymer	50g/bottle
MAX-1-50	MAX (Mixed Strong Anion Exchange) Polymer	50g/bottle
WCX-1-50	WCX (Weak Cation Exchange) Polymer	50g/bottle
WAX-1-50	WAX (Weak Anion Exchange) Polymer	50g/bottle
C18-1-100	C18 (Endcapped Octadecyl) Silica Gel	100g/bottle
C18N-1-100	C18N (Non-Endcapped Octadecyl) Silica Gel	100g/bottle
C18A-1-100	C18A (Hydrophilic Octadecyl) Silica Gel	100g/bottle
C8-1-100	C8 (Octyl) Silica Gel	100g/bottle
SILICA-1-100	Silica (Non-Bonded Silica)	100g/bottle
FLORISIL-1-100	Pesticide Residue Grade Florisil	100g/bottle
DIOL-1-100	Diol (Diol Group) Silica Gel	100g/bottle
CN-1-100	CN (Cyanopropyl) Silica Gel	100g/bottle
ALA-1-100	ALA (Acidic Alumina)	100g/bottle
ALN-1-100	ALN (Neutral Alumina)	100g/bottle
ALB-1-100	ALB (Alkaline Aluminum Oxide)	100g/bottle
GCB-1-50	Carb-GCB (Graphitized Carbon Black)	50g/bottle
NH-1-100	NH2 (Aminopropyl) Silica Gel	100g/bottle
PSA-2-100	PSA (Ethylene Diamine-N-Propyl) Silica Gel	100g/bottle
PRS-1-100	PRS (Benzenesulfonic Acid Group) Silica Gel	100g/bottle
SCX-1-100	SCX (Strong Cation Exchange) Silica Gel	100g/bottle
SAX-2-100	SAX (Strong Anion Exchange) Silica Gel	100g/bottle
C8SCX-1-100	C8/SCX (Octyl/Strong Cation Exchange) Mixed Silica Gel	100g/bottle
C8SAX-100	C8/SAX (Octyl/Strong Anion Exchange) Mixed Silica Gel	100g/bottle
$MGSO_4$-1000	Anhydrous $MgSO_4$	1 kg
NAOAC-1	NaOAc	1 kg
NACL-1	NaCl	1 kg
CIT-1	Trisodium Citrate	1 kg
CIT2-1	Disodium Citrate	1 kg



Sample Filtration

Filtration Guide

Filtration Media	Main Features	Applications
Nylon	• Hydrophilic • Robust • pH range: 3-12 • Broad Chemical compatibility	• Chemicals filtration • Beverage filtration • HPLC sample preparation
PES	• Hydrophilic • High flow rate • Low extractables • Low protein binding • pH range: 1-14	• Protein filtration • Tissue culture media filtration • Buffer prep aration • HPLC sample preparation
PTFE	• Broad chemical compatibility • Hydrophobic and hydrophilic available • pH range: 1-14 • Available supported or unsupported	• Organic solvents • Strong acid and alkali resistance • Gas filtration • Air sampling
PVDF	• High thermal resistance • Broad chemical compatibility • Hydrophobic and hydrophilic available • Low protein binding	• Gas filtration • Food industry • Pharmaceutical filtration
MCE	• Hydrophilic • High flow rate • Low protein binding • pH range: 4-8	• Cell culture media • Microorganism enumeration and identification • Acid digestion • Heavy metals testing
CA	• Hydrophilic • Low protein binding • pH range: 4-8	• Protein, enzyme, and biological solutions • Tissue culture media
Glass Fiber	• Broad chemical compatibility • High dirt holding capacity • pH range: 4-14 • High thermal resistance (up to 500℃) • With or without binders	• Clarification and prefiltration • Tissue culture media • DNA/RNA adsorption and purification • Qualification and quantification
PP microfiber	• Broad chemical compatibility • pH range: 1-14	• Pre-filtration • Clarification

Syringe Filters

Specification

Diameter (mm)	13 mm	25 mm
Filtration Area (cm^2):	0.92	2.98
Housing Material:	PP	
Holdup-Volume (μl):	<10	<100
Volume Throughput (ml):	<10	<50
Connections (Inlet/Outlet):	Female Luer Lock Inlet and Male Luer Slip Outlet	
Max Operating Pressure (psi):	87	
Max Operating Temperature (℃)	100	

Filter Media	Diameter (mm)	Pore Size (um)	Pre-Fliter Layer
Nylon CA PES MCE PVDF PTFE RC	 13 25 33	 0.22 0.45 0.8 1.0	 PP GF

Syringe Filters

Biocomma® Syringe Filters are suitable for solution preparation, sterilization filtration and biological sample preparation.







For more details information, please visit our official website at www.biocomma.com/catalogs/to download the catalog.

Ordering Information

Mixed Cellulose Ester (MCE) Syringe Filters

Cat. #	Description	Qty.
ASF130-22-MCE	MCE / Φ13 mm / 0.22 μm / Hydrophilic	100 Pcs/Box
ASF130-45-MCE	MCE / Φ13 mm / 0.45 μm / Hydrophilic	100 Pcs/Box
ASF250-22-MCE	MCE / Φ25 mm / 0.22 μm / Hydrophilic	100 Pcs/Box
ASF250-45-MCE	MCE / Φ25 mm / 0.45 μm / Hydrophilic	100 Pcs/Box

Cellulose Acetate (CA) Syringe Filters

Cat. #	Description	Qty.
ASF130-22-CA	CA / Φ13 mm / 0.22 μm / Hydrophilic	100 Pcs/Box
ASF130-45-CA	CA / Φ13 mm / 0.45 μm / Hydrophilic	100 Pcs/Box
ASF250-22-CA	CA / Φ25 mm / 0.22 μm / Hydrophilic	100 Pcs/Box
ASF250-45-CA	CA / Φ25 mm / 0.45 μm / Hydrophilic	100 Pcs/Box

Hydrophilic Polytetrafluoroethylene (PTFE) Syringe Filters

Cat. #	Description	Qty.
ASF130-22-PTFE-HL	PTFE / Φ13 mm / 0.22 μm / Hydrophilic	100 Pcs/Box
ASF130-45-PTFE-HL	PTFE / Φ13 mm / 0.45 μm / Hydrophilic	100 Pcs/Box
ASF250-22-PTFE-HL	PTFE / Φ25 mm / 0.22 μm / Hydrophilic	100 Pcs/Box
ASF250-45-PTFE-HL	PTFE / Φ25 mm / 0.45 μm / Hydrophilic	100 Pcs/Box

Hydrophilic Polyvinylidene Fluoride (PVDF) Syringe Filters

Cat. #	Description	Qty.
ASF130-22-PVDF-HL	PVDF / Φ13 mm / 0.22 μm / Hydrophilic	100 Pcs/Box
ASF130-45-PVDF-HL	PVDF / Φ13 mm / 0.45 μm / Hydrophilic	100 Pcs/Box
ASF250-22-PVDF-HL	PVDF / Φ25 mm / 0.22 μm / Hydrophilic	100 Pcs/Box
ASF250-45-PVDF-HL	PVDF / Φ25 mm / 0.45 μm / Hydrophilic	100 Pcs/Box

Polyethersulfone (PES) Syringe Filters

Cat. #	Description	Qty.
ASF130-22-PES	PES / Φ13 mm / 0.22 μm / Hydrophilic	100 Pcs/Box
ASF130-45-PES	PES / Φ13 mm / 0.45 μm / Hydrophilic	100 Pcs/Box
ASF250-22-PES	PES / Φ25 mm / 0.22 μm / Hydrophilic	100 Pcs/Box
ASF250-45-PES	PES / Φ25 mm / 0.45 μm / Hydrophilic	100 Pcs/Box

Polytetrafluoroethylene (PTFE) Syringe Filters

Cat. #	Description	Qty.
ASF130-22-PTFE	PTFE / Φ13 mm / 0.22 μm / Hydrophobic	100 Pcs/Box
ASF130-45-PTFE	PTFE / Φ13 mm / 0.45 μm / Hydrophobic	100 Pcs/Box
ASF250-22-PTFE	PTFE / Φ25 mm / 0.22 μm / Hydrophobic	100 Pcs/Box
ASF250-45-PTFE	PTFE / Φ25 mm / 0.45 μm / Hydrophobic	100 Pcs/Box

Nylon Syringe Filters

Cat. #	Description	Qty.
ASF130-22-NL	Nylon / Φ13 mm / 0.22 μm / Hydrophilic	100 Pcs/Box
ASF130-45-NL	Nylon / Φ13 mm / 0.45 μm / Hydrophilic	100 Pcs/Box
ASF250-22-NL	Nylon / Φ25 mm / 0.22 μm / Hydrophilic	100 Pcs/Box
ASF250-45-NL	Nylon / Φ25 mm / 0.45 μm / Hydrophilic	100 Pcs/Box

Polyvinylidene Fluoride (PVDF) Syringe Filters

Cat. #	Description	Qty.
ASF130-22-PVDF	PVDF / Φ13 mm / 0.22 μm / Hydrophobic	100 Pcs/Box
ASF130-45-PVDF	PVDF / Φ13 mm / 0.45 μm / Hydrophobic	100 Pcs/Box
ASF250-22-PVDF	PVDF / Φ25 mm / 0.22 μm / Hydrophobic	100 Pcs/Box
ASF250-45-PVDF	PVDF / Φ25 mm / 0.45 μm / Hydrophobic	100 Pcs/Box

Sterile Syringe Filters



Biocomma® Sterile Syringe Filters remove bacteria fast and reduce the impact on active ingredients in liquid during sterilization process. Generally, 0.1 μm syringe filter filters mycoplasma, 0.22 μm filters bacteria, and 0.45um filters solid particles. Sterile syringe filters are widely applied to various fields of life science to sterilize small-volume biological liquids, such as proteins, culture media, additives, buffers, reagents, pharmaceuticals and etc.

Features

- The easy tear packaging is made of medical polypropylene to ensure good sealing
- Sterilized by gamma radiation
- DNase and RNase free, pyrogen free and no endotoxin
- Low protein adsorption rate

Ordering Information

Sterile Mixed Cellulose Ester (MCE) Syringe Filters

Cat. #	Description	Qty.
SSF130-22-MCE	MCE / Φ13 mm / 0.22 μm / Hydrophilic	100 Pcs/PK
SSF130-45-MCE	MCE / Φ13 mm / 0.45 μm / Hydrophilic	100 Pcs/PK
SSF250-22-MCE	MCE / Φ25 mm / 0.22 μm / Hydrophilic	100 Pcs/PK
SSF250-45-MCE	MCE / Φ25 mm / 0.45 μm / Hydrophilic	100 Pcs/PK

Sterile Polyvinylidene Fluoride (PVDF) Syringe Filters

Cat. #	Description	Qty.
SSF130-22-PVDF	PVDF / Φ13 mm / 0.22 μm / Hydrophobic	100 Pcs/PK
SSF130-45-PVDF	PVDF / Φ13 mm / 0.45 μm / Hydrophobic	100 Pcs/PK
SSF250-22-PVDF	PVDF / Φ25 mm / 0.22 μm / Hydrophobic	100 Pcs/PK
SSF250-45-PVDF	PVDF / Φ25 mm / 0.45 μm / Hydrophobic	100 Pcs/PK

Sterile Cellulose Acetate (CA) Syringe Filters

Cat. #	Description	Qty.
SSF130-22-CA	CA / Φ13 mm / 0.22 μm / Hydrophilic	100 Pcs/PK
SSF130-45-CA	CA / Φ13 mm / 0.45 μm / Hydrophilic	100 Pcs/PK
SSF250-22-CA	CA / Φ25 mm / 0.22 μm / Hydrophilic	100 Pcs/PK
SSF250-45-CA	CA / Φ25 mm / 0.45 μm / Hydrophilic	100 Pcs/PK

Sterile Polytetrafluoroethylene (PTFE) Syringe Filters

Cat. #	Description	Qty.
SSF130-22-PTFE	PTFE / Φ13 mm / 0.22 μm / Hydrophobic	100 Pcs/PK
SSF130-45-PTFE	PTFE / Φ13 mm / 0.45 μm / Hydrophobic	100 Pcs/PK
SSF250-22-PTFE	PTFE / Φ25 mm / 0.22 μm / Hydrophobic	100 Pcs/PK
SSF250-45-PTFE	PTFE / Φ25 mm / 0.45 μm / Hydrophobic	100 Pcs/PK

Sterile Polyethersulfone (PES) Syringe Filters

Cat. #	Description	Qty.
SSF130-22-PES	PES / Φ13 mm / 0.22 μm / Hydrophilic	100 Pcs/PK
SSF130-45-PES	PES / Φ13 mm / 0.45 μm / Hydrophilic	100 Pcs/PK
SSF250-22-PES	PES / Φ25 mm / 0.22 μm / Hydrophilic	100 Pcs/PK
SSF250-45-PES	PES / Φ25 mm / 0.45 μm / Hydrophilic	100 Pcs/PK

Sterile Nylon Syringe Filter

Cat. #	Description	Qty.
SSF130-22-NL	Nylon / Φ13 mm / 0.22 μm / Hydrophilic	100 Pcs/PK
SSF130-45-NL	Nylon / Φ13 mm / 0.45 μm / Hydrophilic	100 Pcs/PK
SSF250-22-NL	Nylon / Φ25 mm / 0.22 μm / Hydrophilic	100 Pcs/PK
SSF250-45-NL	Nylon / Φ25 mm / 0.45 μm / Hydrophilic	100 Pcs/PK

Microfiltration Membranes



Biocomma® Microfiltration Membranes are used in sample filtration during analysis process in laboratories.

Ordering Information

Mixed Cellulous Ester (MCE) Microfiltration Membrane

Cat. #	Description	Qty.
MF047-22-MCE	MCE / Φ47 mm / 0.22 μm	200 Pcs/Box
MF047-45-MCE	MCE / Φ47 mm / 0.45 μm	200 Pcs/Box



Cellulose Acetate (CA) Microfiltration Membrane

Cat. #	Description	Qty.
MF047-22-CA	CA / Φ47 mm/0.22 μm	200 Pcs/Box
MF047-45-CA	CA / Φ47 mm/0.45 μm	200 Pcs/Box

Polyethersulfone (PES) Microfiltration Membrane

Cat. #	Description	Qty.
MF047-22-PES	PES / Φ47 mm/0.22 μm	200 Pcs/Box
MF047-45-PES	PES / Φ47 mm/0.45 μm	200 Pcs/Box

Hydrophilic Polytetrafluoroethylene (PTFE) Microfiltration Membrane

Cat. #	Description	Qty.
MF047-22-PTFE-HL	PTFE / Φ47 mm/0.22 μm	200 Pcs/Box
MF047-45-PTFE-HL	PTFE / Φ47 mm/0.45 μm	200 Pcs/Box

Nylon Microfiltration Membrane

Cat. #	Description	Qty.
MF047-22-NL	Nylon / Φ47 mm / 0.22 μm	200 Pcs/Box
MF047-45-NL	Nylon / Φ47 mm / 0.45 μm	200 Pcs/Box

Polyvinylidene Fluoride (PVDF) Microfiltration Membrane

Cat. #	Description	Qty.
MF047-22-PVDF	PVDF / Φ47 mm / 0.22 μm	200 Pcs/Box
MF047-45-PVDF	PVDF / Φ47 mm / 0.45 μm	200 Pcs/Box

Polytetrafluoroethylene (PTFE) Microfiltration Membrane

Cat. #	Description	Qty.
MF047-22-PTFE	PTFE / Φ47 mm / 0.22 μm	200 Pcs/Box
MF047-45-PTFE	PTFE / Φ47 mm / 0.45 μm	200 Pcs/Box

*Customized diameter of mentioned membranes are available.

Chromatography Vials and Caps

Autosampler Vials and Caps

Copure® Chromatography vials are made of high-performance borosilicate glass, suitable for various brands of auto-samplers. We offer a variety of vials and caps to meet the specific needs of different experiments.

8-425 2 mL Narrow-neck Screw-thread Vials and Inserts

Cat. #	Description	O.D.xL	Qty.
V1-T	2 mL 8-425 Narrow-Neck Screw-thread vials, clear	11.6×32 mm	100/PK
V1-TL	2 mL 8-425 Narrow-Neck Screw-thread vials with write-on spot, clear	11.6×32 mm	100/PK
V1-A	2 mL 8-425 Narrow-Neck Screw-thread vials, amber	11.6×32 mm	100/PK
V1-AL	2 mL 8-425 Narrow-Neck Screw-thread vials with write-on spot, amber	11.6×32 mm	100/PK
SI-1	150 uL Glass inserts with mandrel interior and polypropylene feet, for 8-425 screw-thread vials	29×5 mm	100/PK
SI-3	250 uL Flat-bottom glass inserts, for 2ml 8-425 screw-thread vials	31×5 mm	100/PK



Caps with Septa for 8-425 Screw-thread Vials

Cat. #	Description	Qty.
SC1-1	8-425 Black polypropylene screw caps (5.5 mm centre hole, 12 mm diameter) with white PTFE/red silicone septa (ϕ8*1.5 mm)	100/PK
SC1-2	8-425 Black polypropylene screw caps (5.5 mm centre hole, 12 mm diameter) with red PTFE/white silicone septa(ϕ8*1.5 mm)	100/PK
SC1-3	8-425 Black polypropylene screw caps (5.5 mm centre hole, 12 mm diameter) with red PTFE/white silicone/red PTFE septa(ϕ8*1.5 mm)	100/PK
SC1-4	8-425 Black polypropylene screw caps (5.5 mm centre hole, 12 mm diameter) with blue PTFE/white silicone septa (ϕ8*1.5 mm)	100/PK
SC1-5	8-425 Black polypropylene screw caps (5.5 mm centre hole, 12 mm diameter) with pre-slit white PTFE/red silicone septa	100/PK
SC1-6	8-425 Black polypropylene screw caps (5.5 mm centre hole, 12 mm diameter) with pre-slit red PTFE/white silicone septa	100/PK
SC1-7	8-425 Black polypropylene screw caps (5.5 mm centre hole, 12 mm diameter) with pre-slit blue PTFE/white silicone septa, 5.5mm hole	100/PK
SC1-9	8-425 White polypropylene screw caps (5.5 mm centre hole, 12 mm diameter) with red PTFE/white silicone septa(ϕ8*1.5mm)	100/PK
SC1-14	8-425 Black polypropylene screw caps (12 mm diameter) with red PTFE/white silicone septa (ϕ8*1.2 mm)	100/PK

If you need additional models, we can assemble and adjust them based on different septa and caps.





9-425 2 mL Screw-thread Vials and Inserts

Cat. #	Description	O.D.xL	Qty.
V2-T	2 mL 9-425 screw-thread vials, clear	11.6×32 mm	100/PK
V2-TL	2 mL 9-425 screw-thread vials with write-on spot, clear	11.6×32 mm	100/PK
V2-TL-N	2 mL 9-425 screw-thread vials with write-on spot, clear, economic glass	11.6×32 mm	100/PK
V2-A	2 mL 9-425 screw-thread vials, amber	11.6×32 mm	100/PK
V2-AL	2 mL 9-425 screw-thread vials with write-on spot, amber	11.6×32 mm	100/PK
V2-AL-N	2 mL 9-425 screw-thread vials with write-on spot, amber, economic glass	11.6×32 mm	100/PK
V2-TL-H	2 mL 9-425 screw-thread vials, clear, high recovery	11.6×32 mm	100/PK
V2-PC-2	2 mL 9-425 PP vials, clear	11.6×32 mm	100/PK
V2-PA-2	2 mL 9-425 PP vials, amber	11.6×32 mm	100/PK
V2SI-T	300 uL 9-425 Clear screw-thread vials with fixed insert	11.6×32 mm	100/PK
V2SI-TL	300 uL 9-425 Clear screw-thread vials with write-on spot, with fixed insert	11.6×32 mm	100/PK
V2SI-A	300 uL 9-425 Amber screw-thread vials with fixed insert	11.6×32 mm	100/PK
V2SI-AL	300 uL 9-425 Amber screw-thread vials with write-on spot, with fixed insert	11.6×32 mm	100/PK
V2-P	300 uL 9-425 Clear PP short screw-thread micro-sample vials	11.6×32 mm	100/PK
V2-PA	300 uL 9-425 Amber PP short screw-thread micro-sample vials	11.6×32 mm	100/PK
SI-2	250 uL Glass inserts with mandrel interior and polypropylene feet, for 9-425 screw-thread vials	29×6 mm	100/PK
SI-4	300 uL Flat-bottom glass inserts, for 9-425 screw-thread vials	31×6 mm	100/PK
SI-8	250 uL Glass inserts with mandrel interior, for 2 mL 9-425 screw-thread vials	31×6 mm	100/PK





Caps with Septa for 9-425 Screw-thread Vials



Cat. #	Description	Qty.
SC2-1	9-425 Blue polypropylene screw caps (6 mm centre hole, 12 mm diameter) with white PTFE/red silicone septa, 6 mm hole (ϕ9*1 mm)	100/PK
SC2-2	9-425 Blue polypropylene screw caps (6 mm centre hole, 12 mm diameter) with red PTFE/white silicone septa, 6 mm hole (ϕ9*1 mm)	100/PK
SC2-3	9-425 Blue polypropylene screw caps (6 mm centre hole, 12 mm diameter) with red PTFE/white silicone/red PTFE septa, 6 mm hole (ϕ9*1 mm)	100/PK
SC2-4	9-425 Blue polypropylene screw caps (6 mm centre hole, 12 mm diameter) with blue PTFE/white silicone septa, 6 mm hole (ϕ9*1 mm)	100/PK
SC2-5	9-425 Blue polypropylene screw caps (6 mm centre hole, 12 mm diameter) with pre-slit white PTFE/red silicone septa (ϕ9*1 mm)	100/PK
SC2-5-Z	9-425 Blue polypropylene screw caps (6 mm centre hole, 12 mm diameter) with fixed pre-slit white PTFE/red silicone septa (ϕ9*1 mm)	100/PK
SC2-6	9-425 Blue polypropylene screw caps (6 mm centre hole, 12 mm diameter) with pre-slit blue PTFE/white silicone septa (ϕ9*1 mm)	100/PK
SC2-6-Z	9-425 Blue polypropylene screw caps (6 mm centre hole, 12 mm diameter) with fixed pre-slit blue PTFE/white silicone septa (ϕ9*1 mm)	100/PK
SC2-8	9-425 Blue polypropylene closed top screw caps (12 mm diameter) with red PTFE/white silicone septa (ϕ9*1 mm)	100/PK
SC2-9	9-425 Blue polypropylene screw caps (6 mm centre hole, 12 mm diameter) with pre-slit red PTFE/white silicone septa (ϕ9*1 mm)	100/PK
SC2-11	9-425 Red polypropylene screw caps (6 mm centre hole, 12 mm diameter) with red PTFE/white silicone septa, 6 mm hole (ϕ9*1 mm)	100/PK
SC2-12	9-425 Green polypropylene screw caps (6 mm centre hole, 12 mm diameter) with red PTFE/white silicone septa, 6 mm hole (ϕ9*1 mm)	100/PK
SC2-13	9-425 Yellow polypropylene screw caps (6 mm centre hole, 12 mm diameter) with red PTFE/white silicone septa, 6 mm hole (ϕ9*1 mm)	100/PK
SC2-14	9-425 White polypropylene closed top screw caps (12 mm diameter) with red PTFE/white silicone septa (ϕ9*1 mm)	100/PK
SC2-15	9-425 Blue polypropylene closed top screw caps (12 mm diameter) with white PTFE/red silicone septa (ϕ9*1 mm)	100/PK
SC2-16	9-425 Black polypropylene closed top screw caps (12 mm diameter) with red PTFE/white silicone septa (ϕ9*1 mm)	100/PK

10-425 2 mL Wide Screw-thread Vials



Cat. #	Description	O.D.xL	Qty.
V3-T	2 mL 10-425 Screw-thread vials, clear	11.6×32 mm	100/PK
V3-TL	2 mL 10-425 Screw-thread vials with write-on spot, clear	11.6×32 mm	100/PK
V3-A	2 mL 10-425 Screw-thread vials, amber	11.6×32 mm	100/PK
V3-AL	2 mL 10-425 Screw-thread vials with write-on spot, amber	11.6×32 mm	100/PK

Caps with Septa for 10-425 Screw-thread Vials



Cat. #	Description	Qty.
SC3-1	10-425 Black polypropylene screw caps (7 mm centre hole) with red PTFE/white silicone septa (ϕ10*1.5 mm)	100/PK
SC3-2	10-425 Black polypropylene screw caps (7 mm centre hole) with white PTFE/red silicone septa (ϕ10*1.5 mm)	100/PK
SC3-3	10-425 Black polypropylene screw caps (7 mm centre hole) with pre-slit red PTFE/white silicone septa (ϕ10*1.5 mm)	100/PK
SC3-4	10-425 Black polypropylene screw caps (7 mm centre hole) with pre-slit white PTFE/red silicone septa (ϕ10*1.5 mm)	100/PK
SC3-5	10-425 Black polypropylene closed top screw caps with white PTFE/red silicone septa (ϕ10*1.5 mm)	100/PK
SC3-6	10-425 White polypropylene closed top screw caps with white PTFE/red silicone septa (ϕ10*1.5 mm)	100/PK

If you need additional models, we can assemble and adjust them based on different septa and caps.

11 mm 2 mL Snap-top Vials



Cat. #	Description	O.D.xL	Qty.
V4-T	2 mL 11 mm Snap-top vials, clear	11.6×32 mm	100/PK
V4-TL	2 mL 11 mm Snap-top vials with write-on spot, clear	11.6×32 mm	100/PK
V4-A	2 mL 11 mm Snap-top vials, amber	11.6×32 mm	100/PK
V4-AL	2 mL 11 mm Snap-top vials with write-on spot, amber	11.6×32 mm	100/PK

Caps with Septa for 11 mm Snap-top Vials



Cat. #	Description	Qty.
SC4-1	Transparent polypropylene snap-top caps (6 mm centre hole, diameter 11 mm), with white PTFE/red silicone septa (ϕ11*1 mm)	100/PK
SC4-2	Transparent polypropylene snap-top caps (6 mm centre hole, diameter 11 mm), with red PTFE/white silicone/red PTFE septa (ϕ11*1 mm)	100/PK
SC4-3	Transparent polypropylene snap-top caps (6 mm centre hole, diameter 11 mm), with blue PTFE/white silicone septa (ϕ11*1 mm)	100/PK
SC4-4	Blue polypropylene snap-top caps (6 mm centre hole, diameter 11 mm), with white PTFE/red silicone septa (ϕ11*1 mm)	100/PK

If you need additional models, we can assemble and adjust them based on different septa and caps.

11 mm 2 mL Crimp-top Vials

Cat. #	Description	O.D.xL	Qty.
V5-T	2 mL 11 mm Glass crimp-top vials, clear	11.6×32 mm	100/PK
V5-TL	2 mL 11 mm Glass crimp-top vials with write-on spot, clear	11.6×32 mm	100/PK
V5-A	2 mL 11 mm Glass crimp-top vials, amber	11.6×32 mm	100/PK
V5-AL	2 mL 11 mm Glass crimp-top vials with write-on spot, amber	11.6×32 mm	100/PK



Caps with Septa for 11 mm 2 mL Crimp-top Vials

Cat. #	Description	Qty.
SC5-1	Silver aluminum caps (5.5 mm centre hole, diameter 11 mm), with white PTFE/red silicone septa (ϕ11*1 mm)	100/PK
SC5-2	Silver aluminum caps (5.5 mm centre hole, diameter 11 mm), with red PTFE/white silicone septa (ϕ11*1 mm)	100/PK
SC5-3	Silver aluminum caps (5.5 mm centre hole, diameter 11 mm), with red PTFE/white silicone/red PTFE septa (ϕ11*1 mm)	100/PK
SC5-4	Silver aluminum caps (5.5 mm centre hole, diameter 11 mm), with white PTFE/red silicone pre-slit septa (ϕ11*1 mm)	100/PK
SC5-5	Silver aluminum caps (5.5 mm centre hole, diameter 11 mm), with red PTFE/white silicone pre-slit septa (ϕ11*1 mm)	100/PK

If you need additional models, we can assemble and adjust them based on different septa and caps.



13-425 4 mL Screw-thread Vials

Cat. #	Description	O.D.xL	Qty.
V6-T	4 mL 13-425 glass screw-thread vials, clear	15×45 mm	100/PK
V6-TL	4 mL 13-425 glass screw-thread vials with write-on spot, clear	15×45 mm	100/PK
V6-A	4 mL 13-425 glass screw-thread vials, amber	15×45 mm	100/PK
V6-AL	4 mL 13-425 glass screw-thread vials with write-on spot, amber	15×45 mm	100/PK



Caps with Septa for 13-425 4 mL Screw-thread Vials

Cat. #	Description	Qty.
SC6-1	13-425 Black polypropylene screw caps, 8.5 mm centre hole, with white PTFE/red silicone septa (ϕ13*1.5 mm)	100/PK
SC6-2	13-425 Black polypropylene screw caps, 8.5 mm centre hole, with red PTFE/white silicone septa (ϕ13*1.5 mm)	100/PK
SC6-3	13-425 Black polypropylene screw caps, 8.5 mm centre hole, with red PTFE/white silicone/red PTFE septa (ϕ13*1.5 mm)	100/PK
SC6-4	13-425 Black polypropylene screw caps, 8.5 mm centre hole, with natural PTFE/natural silicone septa (ϕ13*1.5 mm)	100/PK
SC6-5	13-425 Black polypropylene closed-top screw caps, with natural PTFE/ natural silicone septa (ϕ13*1.2 mm)	100/PK

If you need additional models, we can assemble and adjust them based on different septa and caps.



Headspace Vials and Caps

18 mm Screw-thread Headspace Vials

Cat. #	Description	O.D.xL	Qty.
V7-10T	10 mL 18 mm Precision glass screw-thread headspace vials, rounded bottom, clear	22.5×46 mm	100/PK
V7-10A	10 mL 18 mm Precision glass screw-thread headspace vials, rounded bottom, amber	22.5×46 mm	100/PK
V7-20T	20 mL 18 mm Precision glass screw-thread headspace vials, rounded bottom, clear	22.5×75.5 mm	100/PK
V7-20A	20 mL 18 mm Precision glass screw-thread headspace vials, rounded bottom, amber	22.5×75.5 mm	100/PK



Caps with Septa for 18 mm Screw-thread Headspace Vials

Cat. #	Description	Qty.
SC7-1	Silver magnetic metal caps (8 mm centre hole, 18 mm diameter), with blue PTFE/white silicone septa (ϕ17*1.5 mm)	100/PK
SC7-2	Silver magnetic metal caps (8 mm centre hole, 18 mm diameter), with red PTFE/white silicone septa (ϕ17*1.5 mm)	100/PK

If you need additional models, we can assemble and adjust them based on different septa and caps



20 mm Crimp-top Headspace Vials



Cat. #	Description	O.D.xL	Qty.
V8-10T	10 mL 20mm Glass crimp-top headspace vials, flat bottom, clear	22.5×46 mm	100/PK
V8-10T-R	10 mL 20mm Glass crimp-top headspace vials, rounded bottom, clear	22.5×46 mm	100/PK
V8-10A	10 mL 20mm Glass crimp-top headspace vials, flat bottom, amber	22.5×46 mm	100/PK
V8-10A-R	10 mL 20mm Glass crimp-top headspace vials, rounded bottom, amber	22.5×46 mm	100/PK
V8-20T	20 mL 20mm Glass crimp-top headspace vials, flat bottom, clear	22.5×75 mm	100/PK
V8-20T-R	20 mL 20mm Glass crimp-top headspace vials, rounded bottom, clear	22.5×75 mm	100/PK
V8-20A	20 mL 20mm Glass crimp-top headspace vials, flat bottom, amber	22.5×75 mm	100/PK
V8-20A-R	20 mL 20mm Glass crimp-top headspace vials, rounded bottom, amber	22.5×75 mm	100/PK

Caps with septa for 20 mm Crimp-top Headspace Vials



Cat. #	Description	Qty.
SC8-1	Silver aluminum caps (10 mm centre hole, 20 mm diameter) , with white PTFE/white silicone septa (ϕ20*3 mm)	100/PK
SC8-2	Silver aluminum caps (10 mm centre hole, 20 mm diameter) , with natural PTFE/natural silicone septa (ϕ20*3 mm)	100/PK
SC8-3	Silver aluminum caps (10 mm centre hole, 20 mm diameter), with white PTFE/blue silicone septa (ϕ20*3 mm)	100/PK
SC8-4	Silver aluminum caps (10 mm centre hole, 20 mm diameter), with natural PTFE/yellow silicone septa (ϕ20*3 mm)	100/PK
SC8-5	Silver aluminum caps (10 mm centre hole, 20 mm diameter), with natural PTFE/blue silicone septa (ϕ20*3 mm)	100/PK
SC8-7	Red bimetal magnetic aluminum caps (8 mm centre hole, 20 mm diameter), with blue PTFE/white silicone septa (ϕ20*3 mm)	100/PK
SC8-8	Blue bimetal magnetic aluminum caps (8 mm centre hole, 20 mm diameter), with blue PTFE/white silicone septa (ϕ20*3 mm)	100/PK
SC8-9	Silver aluminum caps (10 mm centre hole, 20 mm diameter), with grey PTFE/butyl rubber septa (ϕ20*3 mm)	100/PK
SC8-10	Silver pressure-release aluminum caps (20 mm diameter), with white PTFE/white silicone septa (ϕ20*3 mm)	100/PK

If you need additional models, we can assemble and adjust them based on different septa and caps

Storage Vials and Caps

15-425 Screw-thread Storage Vials



Cat. #	Description	O.D.xL	Qty.
V12-5T	5 mL 15-425 Glass screw-thread storage vials, clear	18.0×40 mm	100/PK
V12-5A	5 mL 15-425 Glass screw-thread storage vials, amber	18.0×40 mm	100/PK
V12-8T	8 mL 15-425 Glass screw-thread storage vials, clear	16.6×60 mm	100/PK
V12-8A	8 mL 15-425 Glass screw-thread storage vials, amber	16.6×60 mm	100/PK
V12-12T	12 mL 15-425 Glass screw-thread storage vials, clear	18.4×66 mm	100/PK
V12-12A	12 mL 15-425 Glass screw-thread storage vials, amber	18.4×66 mm	100/PK

Caps with Septa for 15-425 Screw-thread Storage Vials



Cat. #	Description	Qty.
SC12-2	15-425 Black polypropylene closed-top screw caps, with natural PTFE/natural silicone septa (ϕ13.5*1.5 mm)	100/PK
SC12-3	15-425 White polypropylene closed-top screw caps, with natural PTFE/natural silicone septa (ϕ13.5*1.5 mm)	100/PK
SC12-4	15-425 Black polypropylene screw caps, 9 mm centre hole, with natural PTFE/natural silicone septa (ϕ13.5*1.5 mm)	100/PK

If you need additional models, we can assemble and adjust them based on different septa and caps

18-400 Screw-thread Storage Vials



Cat. #	Description	O.D.xL	Qty.
V13-10T	10 mL 18-400 Glass screw-thread vials, clear	22×50 mm	100/PK
V13-10A	10 mL 18-400 Glass screw-thread vials, amber	22×50 mm	100/PK
V13-15T	15 mL 18-400 Glass screw-thread vials, clear	22×70 mm	100/PK
V13-15A	15 mL 18-400 Glass screw-thread vials, amber	22×70 mm	100/PK

Caps with Septa for 15-425 Screw-thread Storage Vials



Cat. #	Description	Qty.
SC13-1	18-400 Black polypropylene screw caps, 9.5 mm centre hole, with natural PTFE/natural silicone septa (ϕ17*1.5 mm)	100/PK
SC13-2	18-400 Black polypropylene closed-top screw caps, with natural PTFE/natural silicone septa (ϕ17*1.5 mm)	100/PK
SC13-3	18-400 White polypropylene closed-top screw caps, with natural PTFE/natural silicone septa (ϕ17*1.5 mm)	100/PK

If you need additional models, we can assemble and adjust them based on different septa and caps

24-400 Screw-thread Storage Vials

Cat. #	Description	O.D.xL	Qty.
V9-20A	20 mL 24-400 Glass screw-thread vials, amber	27.5×57 mm	100/PK
V9-20T	20 mL 24-400 Glass screw-thread vials, clear	27.5×57 mm	100/PK
V9-30A	30 mL 24-400 Glass screw-thread vials, amber	27.5×75 mm	100/PK
V9-30T	30 mL 24-400 Glass screw-thread vials, clear	27.5×75 mm	100/PK
V9-40A	40 mL 24-400 Glass screw-thread vials, amber	27.5×95 mm	100/PK
V9-40T	40 mL 24-400 Glass screw-thread vials, clear	27.5×95 mm	100/PK
V9-60A	60 mL 24-400 Glass screw-thread vials, amber	27.5×140 mm	100/PK
V9-60T	60 mL 24-400 Glass screw-thread vials, clear	27.5×140 mm	100/PK





Caps with septa for 24-400 Screw-thread Storage Vials

Cat. #	Description	Qty.
SC9-1	24-400 White polypropylene screw caps, 15 mm centre hole, with natural PTFE/natural silicone septa (ϕ22*3 mm)	100/PK
SC9-2	24-400 White polypropylene closed-top screw caps, with natural PTFE/natural silicone septa (ϕ22*3 mm)	100/PK
SC9-3	24-400 Black polypropylene screw caps, 15 mm centre hole, with natural PTFE/natural silicone septa (ϕ22*3 mm)	100/PK
SC9-4	24-400 Black polypropylene closed-top screw caps, with natura PTFE/natural silicone septa (ϕ22*3 mm)	100/PK

If you need additional models, we can assemble and adjust them based on different septa and caps

20 mL Low Borosilicate Glass Scintillation Vials

Cat. #	Description	O.D.xL	Qty.
V10-20T	20 mL Low borosilicate scintillation vials, 22-400 screw-thread, clear	27.5×57 mm	100/PK



Caps with Septa for 20 mL Low Borosilicate Glass Scintillation Vials

Cat. #	Description	Qty.
SC10-1	22-400 White closed-top caps, with natural PTFE/natural silicone septa	100/PK
SC10-2	22-400 Black closed-top caps, with natural PTFE/natural silicone septa	100/PK

If you need additional models, we can assemble and adjust them based on different septa and caps



Manual Crimpers & Manual Decappers for Aluminum caps

Cat. #	Description	Qty.
YGQ-01	Manual crimper for 20 mm aluminum caps	1/PK
KGQ-01	Manual decapper for 20 mm aluminum caps	1/PK
YGQ-02	Manual crimper for 11 mm aluminum caps	1/PK
KGQ-02	Manual decapper for 11 mm aluminum caps	1/PK



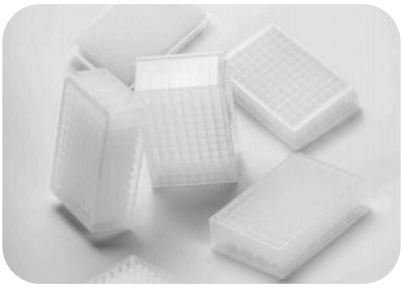


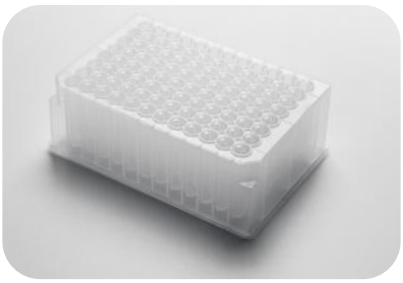
For more details information, please visit our official website at www.biocomma.com/catalogs/to download the catalog.

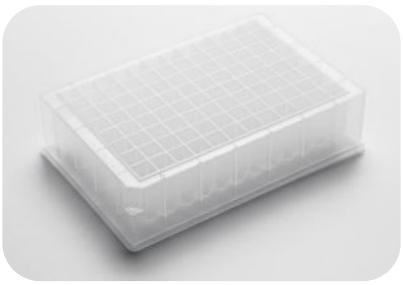
General Consumables

Collection Plates

Biocomma® Collection Plates are molded from high-purity polypropylene (PP), which is highly stable. The outstanding properties are excellent solvent resistance (including DMSO, ethanol and isopropanol), thermal resistance and low residuals. The collection plates are international ANSI/SBS standards-compliant design with alphabetical marks.









Features

- Withstand high speed centrifugal force 3000-4000 g
- Tolerant of autoclaving at 121 ° C for 20 minutes
- 4.6/3.5/2.2/2.0/1.6/1.0 mL deep well plates and 0.4/0.36 mL microplates are available

Ordering Information

Round Well:

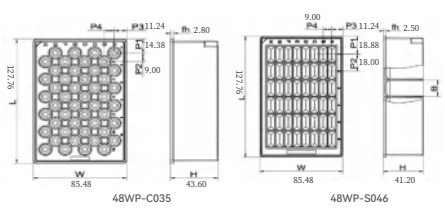
Cat. #	Description	Qty.
48WP-C035	48-Well Collection Plate, Round Well, 3.5 mL, U-bottom	50 Pcs/Box
96WP-C020-N	96-Well Collection Plate, Round Well, 2.0 mL, U-bottom	24 Pcs/Box
96WP-C010	96-Well Collection Plate, Round Well, 1.0 mL, U-bottom	24 Pcs/Box
96WU-004	96-Well Collection Plate, Round Well, 0.4 mL, U-bottom	10 Pcs/Box
96WV-0036	96-Well Collection Plate, Round Well, 0.36 mL, V-bottom	10 Pcs/Box

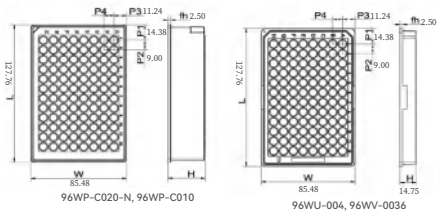
Square Well:

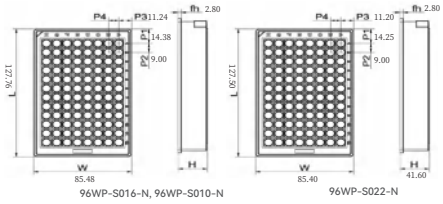
Cat. #	Description	Qty.
48WP-S046	48-Well Collection Plate, Square Well, 4.6 mL, U-bottom	24 Pcs/Box
96WP-S022-BN	96-Well Collection Plate, Square Well, 2.2 mL, U-bottom	24 Pcs/Box
96WP-S022V-N	96-Well Collection Plate, Square Well, 2.2 mL, V-bottom	24 Pcs/Box
96WP-S016-BN	96-Well Collection Plate, Square Well, 1.6 mL, U-bottom	30 Pcs/Box
96WP-S010-N	96-Well Collection Plate, Square Well, 1.0 mL, U-bottom	30 Pcs/Box
384WP-240	384-Well collection plate, Square Well, 0.24 mL	10 Pcs/Box

Note: For sterilized collection plates, please contact us.

ALL DIMENSIONS IN MM







Note:

1.The length and width of round well plate of 96WP-C020-N and 96WP-C010 are the same, but the well height is 43.90 mm and 33.00 mm.

2.The length and width of square well plate of 96WP-S016-BN and 96WP-S010-N are the same, but the well height is 31.60 mm and 24.40 mm.

Silicone Sealing Mats



Ordering Information

Cat. #	Description	Qty.
96WSC20	96-Well Round Capped Silicone Sealing Mats, for Sealing 96-Well Collection Plates (2.0 mL), Pierceable	10 Pcs/PK
96WSC10	96-Well Round Capped Silicone Sealing Mats, for Sealing 96-Well Collection Plates (1.0/0.4/0.36 mL), Pierceable	10 Pcs/PK
96WSS	96-Well Square Capped Silicone Sealing Mats, for Sealing 96-Well Collection Plates (2.2/1.6/1.0 mL)	10 Pcs/PK
96WSP	96-Well Square Capped Silicone Sealing Mats, for Sealing 96-Well Collection Plates (2.2/1.6/1.0 mL), Pierceable	10 Pcs/PK
96WS	Adhesive Sealing Films, for Sealing Deep Well Plates	500 Pcs/PK

Reagent Reservoirs



Biocomma® Reagent Reservoirs are available in 8-channel, 12-channel, 96-channel and 384-channel, free of DNase and RNase.

Ordering Information

Cat. #	Description	Qty.
8WR	8-Channel Reagent Reservoirs, 22 mL	10 Pcs/PK
12WR	12-Channel Reagent Reservoirs, 15 mL	10 Pcs/PK
96WR	96-Channel Reagent Reservoirs, 195mL	10 Pcs/PK
384WR	384-Channel Reagent Reservoirs, 185 mL	10 Pcs/PK

Connectors



The step cone-shaped and Luer inlet design ensure the connectors are suitable for 1, 3, 6, 12 mL cartridges, especially for tandem extraction.

Ordering Information

Cat. #	Description	Qty.
CS000-TJ-10	Connectors, for 1/3/6/12 mL Cartridges	10 Pcs/PK
CS003-JY-1	Connectors, for 3 mL Cartridges	100 Pcs/PK

Flow Regulators



Flow regulators are suitable for connecting with vacuum manifolds to control flowrate and pressure, each with one Luer inlet and one Luer outlet.

Ordering Information

Cat. #	Description	Qty.
CS002-PP-10	Flow Regulators	10 Pcs/PK
CS002-PP-100	Flow Regulators	100 Pcs/PK

Instruments and Devices

BCY96 Positive Pressure 96 Processor

BCY96 Positive Pressure 96 Processor uses a continuous positive pressure gas source to drive variable viscosity liquids through each well of 96-well plate. Applying parallel gas pressure from the top of the device ensures highly uniform flow rate across all 96 wells.

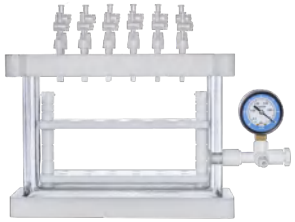


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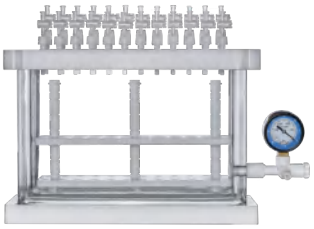
Cat. #	Description	Qty.
BCY9601-E	Positive Pressure 96 Processor	1 Set/Carton
BCY9602-E	Positive Pressure 96 Processor (includes adapters to fit more plates)	1 Set/Carton
BCY2401-E	Positive Pressure 24 Processor	1 Set/Carton

SPEMF Solid Phase Extraction Vacuum Manifold

Solid Phase Extraction Vacuum Manifold processes multiple samples at the same time to realize activating, loading, rinsing, eluting and other processes in SPE sample preparation by controlling the pressure.



12-Port SPE Vacuum Manifold



24-Port SPE Vacuum Manifold

Ordering Information

Cat. #	Description	Qty.
SPEMF12G-E	12-Port SPE Vacuum Manifold, square shape, individual flow valve, transparent glass	1 Set/Carton
SPEMF24G-S-E	24-Port SPE Vacuum Manifold, square shape, individual flow valve, transparent glass	1 Set/Carton

Vacuum Pump

Biocomma® Vacuum Pumps are designed to work with vacuum manifolds. Utilizing diaphragm vacuum technology without oil to eliminate contamination of media that occurs in rotary vane pumps.



Portable



Adjustable

Parameters

Oil-Free Vacuum Pump	Portable	Adjustable
Model	SPEMFP01-E	SPEMFP02-E
Ultimate Pressure	0.08 MPa	0.02~0.08
Max. Flow	10 L/min	5~30 L/min
Power	55 W	90 W
Power Supply	A.C. 220 V, 50/60 Hz	A.C. 220 V, 50/60 Hz
Weight	3 Kg	3.8 Kg

Ordering Information

Cat. #	Description	Qty.
SPEMFP01-E	Portable Oil-Free Vacuum Pump, ultimate pressure 0.08 MPa	1 Set/Carton
SPEMFP02-E	Adjustable Oil-Free Vacuum Pump, adjustable pressure: 0.02~0.08, waste collection bottle included	1 Set/Carton

SDC-4000 Multi-Tube Vortex Mixer

Biocomma® Multi-Tube Vortex Mixer is a sample pretreatment device specially designed for liquid-liquid and solid-liquid mixing in the laboratory. The strong vortex effect is also suitable for high viscosity samples.



Ordering Information

Cat. #	Description	Qty.
SDC-4000-E	Multi-Tube Vortex Mixer (10 positions for 15mL tubes & 10 positions for 50mL)	1 Set/Carton
SDC-4000-15-E	Multi-Tube Vortex Mixer (26 positions for 15 mL tubes)	1 Set/Carton
SDC-4000-50-E	Multi-Tube Vortex Mixer (16 positions for 50 mL tubes)	1 Set/Carton

BN24 Intelligent Water-Bath Nitrogen Evaporator

BN24 Intelligent Water-Bath Nitrogen Evaporator concentrates samples rapidly by water bath and blowing heated nitrogen to the surface of samples. The device is widely applied to sample preparation in gas phase, liquid phase and mass spectrometry analysis.



Ordering Information

Cat. #	Description	Qty.
BN24-E	BN24 Intelligent Water-Bath Nitrogen Evaporator	1 Set/Carton

96-Well Plate Nitrogen Evaporator

The nitrogen concentration device combines microcomputer processing and PID control. The working principle is to blow nitrogen rapidly, continuously and uniformly to the surface of sample.

According to the evaporation speed and boiling point of the solvent, the heating temperature is set to complete rapid anaerobic concentration of large samples, which improves the recovery and reproducibility of the target analyte.

Sample preparation in clinical research and testing, drug screening, hormone analysis, liquid phase and mass spectrometry.



Ordering Information

Cat. #	Description	Qty.
BCN9602-E	96-Well Plate Nitrogen Evaporator (110 V)	1 Set/Carton
BCN9602-E1	96-Well Plate Nitrogen Evaporator (220 V)	1 Set/Carton

BRAND PROFILE

ISO 9001:2015 ISO 13485:2016 ISO 14001:2016

Copure® is a brand of Biocomma, specializing in the field of food safety. It is committed to providing comprehensive process solutions for chromatographic sample preparation, ensuring more reliable food safety testing results.

Copure® Brand Definition

Copure——comma+consistent

“Co” represents the first two letters of "comma," symbolizing the use of biocomma's technology to achieve consistent recovery rates and reproducibility for each target substance.

Copure——pure

Pure represents purity, meaning the effective removal of interfering components from samples using Biocomma's technology, helping users obtain 'pure' chromatograms.

Co-pure combined forms Copure, which sounds like 'kao pu' in Chinese, meaning 'reliable.' Food safety is crucial to people's lives, and reliability is the front line. We provide reliable product technology and dependable after-sales support, empowering technology to protect the safety of what's on your plate.

Made in Shenzhen · Sevice for Global Business · Customization Supported

HH-SP-01-003EN

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