

Custom Synthesis Services

Partner with our team to streamline your R&D process and beneft from our organic chemistry expertise.

With over 30 years of experience, Alta is capable of designing custom and effcient synthetic routes for both new and known compounds.

Our team is committed to providing our customers with constant support through the various steps from quotation, synthesis, QA/QC, to delivery and beyond.



First Standard® Analytical Reference Standards

First Standard® Analytical Reference Standards

Your trusted partner for high quality Reference Standards

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First Standard® Analytical Reference Standards 分析检测标准品

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A Chemtek Focus on Analytical Chemistry.

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About Us

Alta specializes in the development and production of ISO17034 accredited organic standards for mass spectrometry applications including food analysis, clinical testing, environmental detection, pesticides testing and more.

What makes us unique:

10+ years
Experience synthesizing mix solutions

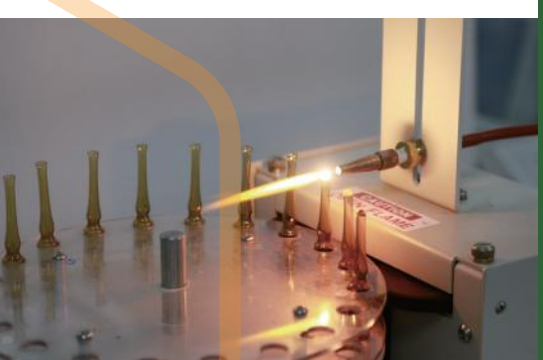
30,000+
Reference standards in stock and in-development

6,000+
Isotopically labeled compounds

3,000+
Natural products

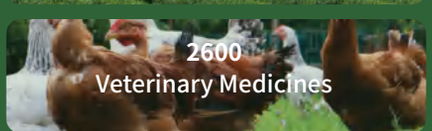
Custom synthesis capabilities for new and known compounds

At Alta, your work is our mission; our team takes pride in working with our customers to provide the best prices, service, and support in the industry.

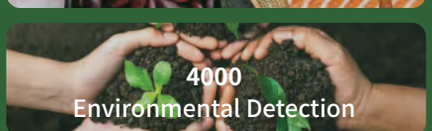


Reference Materials

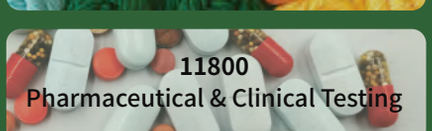


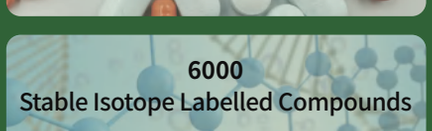












Our reference materials are accompanied by Certifcate of Analysis (CoA), Safety Data Sheets(SDS), and Quality Control (QC) data upon request.



Customized Mix Standard Solutions

Whether you require a standard off-the-shelf solution or a customized mixture tailored to your specifc needs, we are here to assist you.

Let our team of chemists help you save time and reduce costs by synthesizing your customized mix! Our team will evaluate your requirements, including:

- Target Compounds
- Solvent Requirements
- Concentration Requirements
- Testing Methods

Our chemists will compare with past data to analyze and avoid common issues such as instability, incompatibility, and degradation.

From small mixes containing fewer than a dozen compounds to kits with over 600 compounds, our team is equipped to provide solutions for any sized project.

First Standard®
Analytical Reference Standards

ISO 17034 Accredited
ISO 9001 Certified
ISO 14001 Certified
ISO 45001 Certified

Food Testing Reference Materials

3,000 Food Testing Reference Materials

Food Ingredients
- Amino Acids
- Vitamins
- Sugars
- Flavones
- Nucleosides & Nucleotides
- Fatty Acids & Fatty Acid Esters

Food Additives
- Preservatives
- Antioxidants
- Food Coloring
- Sweeteners

Nitrosamines
Chloropropanols

Illegal Additives
- Phthalates
- Melamines
- Sudan Dyes

Mycotoxins
- Zearalenols
- Aflatoxins
- Ocharatoxins
- Patulins
- Fumonisins
- Nivalenols
- HT-2 Toxins
- Microcystins



Our Products
- Neat Analytes
- Single Standard Solutions
- Mix Standard Solutions
- Stable Isotope Labeled Compounds

Our Services
- Custom Synthesis
- Custom Mix Standard Solutions

Quality Control
UHPLC-DAD, UHPLC-ELSD, LC-MS, LC-MS/MS, GC-FID, GC-ECD, GC-FPD, GC-MS, GC-MS/MS, HRMS, ICP-MS, NMR, qNMR, UV, IR, KFT, TG

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Featured Products

Aflatoxin B2a	Carmoisine	Bis(2-ethylhexyl) phthalate
Aflatoxin G2a	Rubropunctamine	Melamine
Deoxynivalenol	Monascin	Sudan I
Zearalenone	Butyl 4-hydroxybenzoate sodium	Sudan IV
α-Zearalenol	Tartaric acid	Sudan III
β-Zearalanol	Bis(4-hydroxybenzoate) calcium	Disperse blue 1
(±)-α-Tocopherol	Acesulfame potassium	Monoisobutyl phthalate
Ethyl stearate	Saccharin sodium dihydrate	Monoethyl phthalate
4-Chlorophenoxyacetate sodium	Saccharin sodium	Diallyl phthalate
Sucralose	Natamycin	Di-n-hexyl phthalate
D-(+)-Glucose	Dehydroacetic acid	Bis(2-ethoxyethyl) phthalate
Nicotinic acid	Sorbic acid	Bis(2-methoxyethyl) phthalate
Vitamin D3	Benzoic acid	Disperse red 5
Vitamin B12	2,6-Di-tert-butyl-4-methylphenol	Disperse blue 3
Vitamin B1 hydrochloride	Ponceau 4RC	Phthalic acid, n-pentyl-isopentyl
Vitamin B12 hydrochloride	Tartrazine	Tetrodotoxin
Folic acid	Sunset yellow FCF	Aflatoxin B1
25-Hydroxy vitamin D3	Rhodamine B	Patulin
D-Folic acid	Orange II	Aflatoxin M1
Folic acid impurity E	Allura red AC	T-2 Toxin
N,N'-Diacetylcystine	Erythrosin	Microcystin LR
3-Deoxy-D-xylose	Citrus red 2	Fumonisin B1
2-Keto-D-xylose	Auramine O	Aflatoxin B2
1,1,1,1-Kestohexaose	Brilliant blue FCF	Fumonisin B2
(±)-β-Tocopherol	Cyclamate sodium	Aflatoxin G2
Furosine dihydrochloride	Nor-acetildenafil	Aflatoxin G1
Ethyl carbamate	Dithio-desmethylcarbodenafil	Bongkrekic acid
8-Hydroxyguanosine	Desmethylcarbodenafil	α-Zearalanol
8-Hydroxy-2'-deoxyguanosine	Acetil acid	3-Acetyldeoxynivalenol
Sesamin	Diisononyl phthalate	15-O-Acetyl-4-deoxynivalenol
Sesamolin	Dibutyl phthalate	Microcystin RR

Stable Isotope Labeled Compounds

Cyclamate-d4 sodium	α-Tocopherol-d6	Dicyclohexyl phthalate-d4
Citrus red 2-d6	2-MCPD-d5	Monoisobutyl phthalate-d4
Aflatoxin B1-13C17	Vitamin D3-d3	Diisononyl phthalate-d4
Aflatoxin M1-13C17	L-Cystine-13C6,15N2	Monoisononyl phthalate-d4
Deoxynivalenol-13C15	Vitamin A-d6	Diamyl phthalate-d4
Patulin-13C7	25-Hydroxy vitamin D3-d6	Monopentyl phthalate-d4

Contact us for full product catalog or additional information.

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ISO 45001 Certified

Pesticide & Metabolite Reference Materials

2,700 Pesticide & Metabolite Reference Materials

- Insecticides
- Antifungus
- Herbicides
- Acaricides
- Rodenticides
- Plant Growth Hormones
- Other Pesticides
- Stable Isotope Labeled Compounds



Mix Standard Solutions

- Insecticide & Antifungus Mix Solutions
- Plant Growth Hormone Mix Solutions
- Carbamate Pesticide Mix Solutions
- Chlorobenzene & Organochlorine Insecticide Mix Solutions
- Organophosphorus Pesticide Mix Solutions
- Amide Herbercide Mix Solutions

Our Products

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- Single Standard Solutions
- Mix Standard Solutions
- Stable Isotope Labeled Compounds

Our Services

- Custom Synthesis
- Custom Mix Standard Solutions

Quality Control

UHPLC-DAD, UHPLC-ELSD, LC-MS, LC-MS/MS, GC-FID, GC-ECD, GC-FPD, GC-MS, GC-MS/MS, HRMS, ICP-MS, NMR, qNMR, UV, IR, KFT, TG

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Featured Products

Benfuresate	N-Demethyl-XDE-175-J	2,4-Dinitro-3-(octan-2-yl)phenol
Bipyrazone	N-Demethyl-XDE-175-L	2,4-Dinitro-6-(1-ethylhexyl)phenol
Cycloxydim-TSO2	Dinotefuran metabolite DN	2,4-Dinitro-6-(1-propylpentyl)phenol
Cypyrafluone	Dinotefuran metabolite UF	2,4-Dinitro-6-(octan-2-yl)phenol
(R)-Dimethenamid	(2Z, 4E)-Kinoprene	2,6-Dinitro-4-(1-ethylhexyl)phenol
Fenpyrazone	N-formyl-175-J	2,6-Dinitro-4-(1-propylpentyl)phenol
6-Hydroxybentazone	N-formyl-175-L	2,6-Dinitro-4-(octan-2-yl)phenol
Propisochlor metabolite M6	Spinetoram J	8α-Hydroxymutilin
Metazosulfuron	Spinosad A	Ningnanmycin
Fluorodifen	Spinosad D	Oxathiapiprolin
Butamifos	Paichongding	Triflumizole metabolite FM-6-1
Flazasulfuron	Desbrom-leptophos	Validamycin
3-Hydroxycarbofuran	trans-Bifenthrin	Xinjunan (single isomer)
3,4,5-Trimethacarb	Isofenphos-methyl	Propamocarb hydrochloride
rel-(5R,7R)-Paichongding	Permethrin	Procymidone
rel-(5R,7S)-Paichongding	Phorate sulfone	Flusilazole
Chlorantraniliprole	Etrimfos-oxon	Ametoctradin
(2E,4E)-Kinoprene	Cyantraniliprole	Propamocarb
E-Chlorfenvinphos	Dichlorvos	Tetraconazole
Terbufos	TCMTB	Pyribencarb
Phosalone	Cyclaniliprole	3-Hydroxy-clofentezine
Clothianidin	Omethoate	
Crotoxyphos	tau-Fluvalinate	

Stable Isotope Labeled Compounds

Atrazine-d5	Clothianidin-d3	Malathion-d6
Prometryn-d14	DL-Nicotine-d3	Methamidophos-d6
Propazine-d14	DL-Nicotine-d3 tartrate	Omethoate-d3
Terbuthylazine-d5	Acephate-d6	Parathion-d10
Trietazine-d5	Amidithion-d6	Parathion-methyl-d6
Aldicarb-d3	Azamethiphos-d6	Phosmet-d6
Carbaryl-d7	Chlorpyrifos-d10	Trichlorfon-d6
Carbofuran-d3	Chlorpyrifos-methyl-d6	Isofenphos-methyl-d7
Isoprocarb-d3	Coumaphos-d10	2,4'-DDT-d8
Methiocarb-d3	Diazinon-d10	Metolcarb-d3
Methomyl-d3	Dichlorvos-d6	Carbendazim-d4
Promecarb-d3	Dimethoate-d6	Dufulin-13C
Propoxur-d3	Fenthion-d6	Metalaxyl-d6
Acetamiprid-d3	Malathion-d10	Pyridaben-d13

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Veterinary Medicine & Metabolite Reference Materials

1,800 Veterinary Medicine & Metabolite Reference Materials

- β-Adrenergic Receptors
- Steroid Hormones
- Nitrofurans
- Macrolide Antibiotics
- Aminoglycoside Antibiotics
- Polyether Antibiotics
- Imidazoles & Benzimidazoles
- Quinolones
- Sulfonamides
- Tetracyclines Antibiotics
- Penicilines Antibiotics
- Crystal Violate & Malachite Green
- Other Veterinary Medicines
- Stable Isotope Labeled Compounds



Our Products

- Neat Analytes
- Single Standard Solutions
- Mix Standard Solutions
- Stable Isotope Labeled Compounds

Our Services

- Custom Synthesis
- Custom Mix Standard Solutions

Quality Control

UHPLC-DAD, UHPLC-ELSD, LC-MS, LC-MS/MS, GC-FID, GC-ECD, GC-FPD, GC-MS, GC-MS/MS, HRMS, ICP-MS, NMR, qNMR, UV, IR, KFT, TG

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Featured Products

Clenbuterol	Vardenafil dihydrochloride	Leucomalachite green
Penbutolol hydrochloride	α-Trenbolone	Malachite green oxalate
Penbutolol	17α-Hydroxyprogesterone	Ofloxacin
Cimaterol	Dienestrol	Triclabendazole sulfoxide
Clenproperol	Oxymetholone	Fenbendazole sulfone
Ractopamine hydrochloride	Triamcinolone benetonide	Triclabendazole sulfone
Brombuterol hydrochloride	Clonazepam	Albendazole sulfone
Brombuterol	Diazepam	Phenethicillin sodium
Phenylethanolamine A	Triazolam	2,4-Xylidinothiazoline
(R)-Salbutamol hydrochloride	Sulfamoxole	Xylazoline
2-NP-AHD	Sulfachloropyridazine	Olaquindox
3-Amino-2-oxazolidinone	N4-Acetylsulfadiazine	Mafoprazine
2-NP-AMOZ	Sulfamonomethoxine	Acepromazine
Anhydro chlortetracycline	Sulfapyrazole	Flavomycin

Stable Isotope Labeled Compounds

Cimaterol-d7	Sulfadiazine-d4	Danofloxacin-d3 hydrochloride
Cimbuterol-d9	Sulfadimethoxine-d4	Enrofloxacin-d5
Clenproperol-d7	Sulfadimethoxine-d6	Ciprofloxacin-d8 hydrochloride
Clorprenaline-d7	Sulfadoxine-d3	Norfloxacin-d5 hydrochloride
Penbutolol-d9 hydrochloride	Sulfadoxine-d4	Norfloxacin-d8
Phenylethanolamine A-d3	Sulfaguanidine-d4	Ofloxacin-d3
Ractopamine-d3	Sulfameter-d4	Ofloxacin-d8 hydrochloride
Ractopamine-d6	Sulfamethazine-d4	Sarafloxacin-d8 hydrochloride
Salbutamol-d3	Sulfamethizole-d4	Pefloxacin-d3
Ractopamine-d5 hydrochloride	Sulfamethoxazole-d4	Mebendazole-d3
Hydroxymethyl clenbuterol-d6	Sulfamonomethoxine-d4	Albendazole sulfone-d3
Brombuterol-d9	Sulfaphenazole-d4	Albendazole sulfoxide-d3
Clencyclohexerol-d10	Sulfapyridine-d4	Albendazole-d3
Ractopamine-d6 hydrochloride	Sulfathiazole-d4	Dimetridazole-d3
Terbutaline-d9 hydrochloride	Leucomalachite green-d5	Fenbendazole sulfone-d3
Diethylstilbesterol-d8	Leucomalachite green-d6	Fenbendazole-d3
Estrone-d2	3-Amino-2-oxazolidinone-d4	Roxithromycin-d7
Mestanolone-d3	Furazolidone-d4	Dapsone-d8
Oxymetholone-d3	2-NP-AOZ-d4	4,4'-Dinitrocarbanilide-d8
Nandrolone-d5 phenylpropionate	Tigecycline-d9	Robenidine-d8 hydrochloride
Nandrolone propionate-d3	Florfenicol-d3	Diazepam-d5

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ISO 45001 Certified

Biological Toxins & Metabolites Reference Materials



Biotoxins are toxic substances naturally produced by microorganisms, plants, and animals, which are commonly found in mold-contaminated foods, seafood, and agricultural products. Active at trace levels, they can cause severe poisoning or lethality upon exposure.However, complex matrix interference and the limited availability of reference materials pose significant challenges to accurate detection and quantification.

Alta is a leading manufacturer of Certified Reference Materials (CRMs) and Reference Materials (RMs). We offers a comprehensive selection of organic reference standards for chemical analysis, serving a global market. Our products comply with international standards, including ISO 17034:2016 and ISO/IEC 17025:2017, supporting trace-level detection and quantitative analysis.

Comprehensive Product Portfolio

Over 30,000 products in stock, covering food safety, environmental monitoring, biomedicine, and clinical mass spectrometry

Integrated Analytical Solutions

Providing neat analytes, single standards, mixed standards, and isotope-labeled internal standards

Flexible Customization

Custom solutions delivered with speed and precision

Technology Leadership

Rigorous quality control, reliable analytical results, and solid foundation for analytical laboratories

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Mycotoxins

Patulin、Patulin-13C7、Aflatoxin B1、Aflatoxin B1-13C17、Aflatoxin B2、Aflatoxin B2-13C17、Aflatoxin G1、Aflatoxin G1-13C17、Aflatoxin G2、Aflatoxin G2-13C17、Aflatoxin M1、Aflatoxin M1-13C17、Fumonisin B1、Fumonisin B1-13C34、Fumonisin B2、Fumonisin B2-13C34、Fumonisin B3、Fumonisin B3-13C34、Puberulic acid、Puberulic acid-13C8

Marine Toxins

Microcystin LR、Microcystin YR、Microcystin RR、Microcystin LA、Microcystin WR、Gonyautoxin 5、Gonyautoxin 6、N-Sulfocarbamoylgonyautoxin 2、N-Sulfocarbamoylgonyautoxin 3、Okadaic acid、Tetrodonic acid、Tetrodotoxin、Neosaxitoxin、Decarbamoyl saxitoxin、Decarbamoylneosaxitoxin、Domoic acid

Bacterial Toxins

Bongkrekic acid、Bongkrekic acid-13C28、Bongkrekic acid、triammonium salt、Isobongkrekic acid、Isobongkrekic、acid-13C28、Neobongkrekic acid、Cereulide、Cereulide-13C6、Bacitracin A、Bacitracin B1、Bacitracin B2

Mushroom Toxins

α-Amanitin、β-Amanitin、γ-Amanitin、Ibotenic acid、L-(+)-Muscarine、Muscimol Muscarine chloride、α-Amanitin、β-Amanitin、γ-Amanitin

Phytotoxins

α-Solanine、α-Chaconine、Grayanotoxin I、Arsenobetaine、Heliotrine N-oxide、Jacobine、Jacobine N-oxide、Lasiocarpine、Lasiocarpine-N-oxide

Mix Solution

1ST50061-100M	Fumonisin B1,B2&B3 Mix Solution in Methanol, 100μg/mL
1ST50054-A	4 Aflatoxin B&G Mix Solution in Acetonitrile
1ST50142-AMW	16 Toxins Mix Solution in Acetonitrile/Water/Methanol
1ST50193-100A	2 Mycotoxin Mix Solution in Acetonitrile, 100μg/mL
1ST50188-M	3 Mycotoxin Mix Solution in Methanol
1ST50110-10M	6 Mycotoxin Mix Solution in Methanol, 10μg/mL
1ST9250-100A	6 Mycotoxin Mix Solution in Acetonitrile, 100μg/mL
1ST50192-M	10 Mycotoxin Mix Solution in Methanol
1ST50946-10M	5 Microcystin Mix Solution in Methanol, 10μg/mL
1ST46117-1MW	10 Microcystin Mix Solution in Methanol/Water, 1μg/mL

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ISO17025 Accredited
ISO 9001 Certified
ISO 14001 Certified
ISO 45001 Certified

Reference Materials for Dairy Product Testing



The *Dietary Guidelines for Chinese* recommends adults consume 300–500 mL of milk or equivalent dairy products daily. In recent years, quality control demands on the dairy industry have intensified. Driven by rising consumer expectations and tighter regulations, comprehensive quality control—from farm to finished product—has become essential. Beyond safety, consumers now seek diverse nutritional and health benefits: precise delivery of high-quality proteins and essential nutrients, along with scientifically formulated functional ingredients. These trends are reshaping the industry.

As a CNAS- and ANAB-accredited reference material producer, Alta develops advanced dairy testing reference materials grounded in the latest scientific research and regulatory requirements. Our portfolio supports laboratories in ensuring dairy quality, safety, and nutritional integrity.

Comprehensive Product Portfolio

Over 30,000 products in stock, covering food safety, environmental monitoring, biomedicine, and clinical mass spectrometry

Integrated Analytical Solutions

Providing neat analytes, single standards, mixed standards, and isotope-labeled internal standards

Flexible Customization

Custom solutions delivered with speed and precision

Technology Leadership

Rigorous quality control guarantees precise and reproducible analytical data

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Dairy Contaminants

Pesticides
Insecticides, Herbicides, Fungicides, Acaricides, Plant Growth Regulators...

Veterinary Drugs
Sulfonamides, Quinolones, β-Lactams, Macrolides, Tetracyclines...

Mycotoxins
Aflatoxins, Ochratoxins, Fumonisins, Zearalenone...

Food Contact Materials
Alkylphenols, Phthalates, Parabens, PAHs...

Processing & Storage-Induced Risk Substances
Furosine, Furfural Compounds, Biogenic Amines, Chloropropanol Esters, Glycidyl Esters...

Other Chemical Contaminants
Chlorinated Paraffins, PFCs , PCBs, PAHs, PCNs...

Nutritional Components of Dairy Products

Carbohydrates
Lactose, Galactose, Fructose, Glucose...

HMOs
3'-SL、6'-SL、2'-FL、3-FL、LNT、LNnT...

Vitamins
Water-soluble Vitamins, Fat-soluble Vitamins...

Lipids
Fatty Acids, Fatty Acid Esters, Fatty Acid Glycerides...

Amino Acids
Essential Amino Acids, Non-essential Amino Acids...

Small Molecule Substances
L-Carnitine, Nucleosides / Nucleotides...

Featured Products

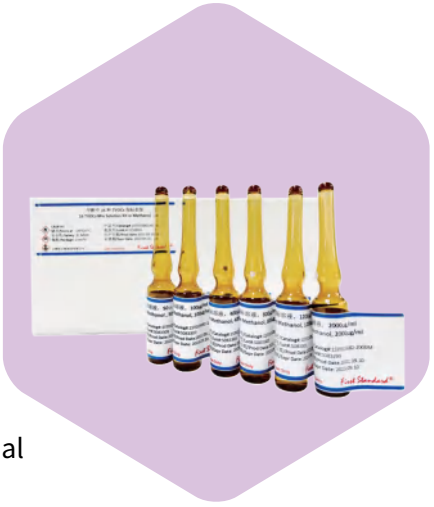
Pesticides	1ST29758	485 Pesticide Mix Kit	1 kit
	1ST020465-100B	30 Organticochlorine Insecticide Mix Solution in Acetone	100 μg/mL, 1mL
Veterinary Drugs	1ST48054-Kit	217 Veterinary Mix Kit	1 kit
	1ST47567-Kit	46 Antibiotic Mix Kit in Dairy	1 kit
	1ST47605-100M	12 β-Adrenergic Receptor Mix Solution in Methanol	100μg/mL, 1mL
Mycotoxins	1ST7209-100A	Aflatoxin M1 Solution in Acetonitrile	100μg/mL, 1mL
Food Contact Materials	1ST50060-100M-10ml	4 Preservative Mix Solution in Methanol	100μg/mL, 10mL
HMOs	1ST51549-Kit	10 HMOs Mix Kit	1 kit
	1ST001232-10mg	2'-Fucosyllactose	10mg
Vitamins	1ST51058-VR1-M	5 Vitamin Mix Solution in Methanol	Varied conc., 1mL
	1ST50203-1000Y	4 Vitamin Mix Solution in Ethanol	1000μg/mL, 1mL
Lipids	1ST50519-Kit	7 Trans fatty acid methyl Ester Mix Kit	1 kit
	1ST001501-100T	1,3-Dioleoyl-2-palmitoylglycerol Solution in Toluene	100μg/mL, 1mL

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Clinical Mass Spectrometry Testing Standards

Introduction



Alta Scientific Co., Ltd. is an ISO 17034:2016 accredited leading reference material producer in China. Established in 2011, Alta focuses on the innovation and manufacturing of FirstStandard® organic reference materials and certified reference materials. Our catalog of over 30,000 organic standards includes pharmaceuticals, clinical biomarkers, pesticides and herbicides, veterinary medicines, food ingredients and additives, environmental contaminants, persistent pollutants, as well as stable isotope labeled compounds, which are widely used in clinical mass spectrometry testing, pharmaceutical research, food safety testing and environmental monitoring labs.

FirstStandard® clinical testing standards and stable isotope labeled internal standards are produced under the strict implementation of ISO 17034 requirements. Comprehensive qualitative analysis, precise value assignment and uncertainty assessment ensure FirstStandard® products have correct structures and accurate values. Multi-component solutions are easy to use and are convenient for targeted and non-targeted MS screening.

Product Categories

Amino Acids	Prostaglandins	Sphingolipids
Vitamins	Steroid Hormones	Phosphocholines
Fatty Acids	Catecholamines	Ceramides
Organic Acids	Newborn Screening	Drug Monitoring
Bile Acids	Sphingosinols	Carnitines

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Analytical Reference Standards

Mix Standard Solutions

13 Amino Acid Mix Solution in Water, 100µg/mL, 1mL

L-Alanine, L-Arginine, Glycine, L-Histidine, L-Isoleucine, L-Leucine, L-Lysine, L-Phenylalanine, L-Proline, L-Serine, L-Threonine, L-Tyrosine, L-Valine

16 Amino Acid Mix Solution in Water, 1.0µmol/mL, 1mL

L-Alanine, L-Arginine, L-Aspartic acid, L-Glutamic acid, Glycine, L-Histidine, L-Isoleucine, L-Leucine, L-Lysine, L-Methionine, L-Phenylalanine, L-Proline, L-Serine, L-Threonine, L-Tyrosine, L-Valine

17 Amino Acid Mix Solution in Water, Varied Concentration, 1mL

L-Alanine, L-Arginine, L-Aspartic acid, L-Cystine, L-Glutamic acid, Glycine, L-Histidine, L-Isoleucine, L-Leucine, L-Lysine, L-Methionine, L-Phenylalanine, L-Proline, L-Serine, L-Threonine, L-Tyrosine, L-Valine

19 Amino Acid Mix Solution in Water, 100µg/mL, 1mL

L-Alanine, L-Arginine, L-Aspartic acid, L-Cystine, L-Glutamic acid, Glycine, L-Histidine, L-Isoleucine, L-Leucine, L-Lysine, L-Methionine, L-Phenylalanine, L-Proline, L-Serine, Taurine, L-Threonine, L-Tryptophan, L-Tyrosine, L-Valine

20 Amino Acid Mix Solution in Water, 100µg/mL, 1mL

L-Alanine, L-Arginine, L-Asparagine, L-Aspartic acid, L-Citrulline, L-Glutamic acid, Glycine, L-Histidine, L-Isoleucine, L-Leucine, L-Lysine, L-Methionine, L-Ornithine, L-Phenylalanine, L-Proline, L-Serine, L-Threonine, L-Tryptophan, L-Tyrosine, L-Valine

12 Stable Isotope Labeled Amino Acid Mixture, Varied Concentration, 1mL

L-Alanine-d4, L-Arginine-13C,d4, L-Aspartic acid-d3, L-Citrulline-d2, DL-Glutamic acid-d3, Glycine-13C,15N, L-Leucine-d3, L-Methionine-d3, L-Ornithine-d2, L-Phenylalanine-13C6, L-Tyrosine-13C6, L-Valine-d8

17 Stable Isotope Labeled Amino Acid Mix Solution in Water, Varied Concentration, 1mL

L-Alanine-13C3,15N, L-Arginine-13C6,15N4, L-Aspartic acid-13C4,15N, L-Cystine-13C6,15N2, L-Glutamic acid-13C5, 15N, Glycine-13C2, 15N, L-Histidine-13C6,15N3, L-Isoleucine-13C6,15N, L-Leucine-13C6,15N, L-Lysine-13C6,15N2, L-Methionine-13C5,15N, L-Phenylalanine-13C9, 15N, L-Proline-13C5,15N, L-Serine-13C3,15N, L-Threonine-13C4,15N, L-Tyrosine-13C9, 15N, L-Valine-13C5,15N

20 Stable Isotope Labeled Amino Acid Mix Solution in Water, 10µg/mL or 100µg/mL, 1mL

L-Alanine-d4, L-Arginine -13C6,15N4, L-Asparagine-d3, L-Aspartic acid-d3, L-Citrulline-d2, L-Glutamic acid-d5, Glycine-d5, L-Histidine-13C6,15N3 , L-Isoleucine-d10, L-Leucine-13C6, L-Lysine-d4 , L-Methionine-13C5,15N, L-Ornithine-d2, L-Phenylalanine-d8, L-Proline-d3, L-Serine-13C3,15N, L-Threonine-d5, L-Tryptophan-d5, L-Tyrosine-d4, L-Valine-13C5,15N

6 Fatty Acid Mix Solution in Water, 1000µg/mL, 1mL

Acetic acid, Butyric acid, Isobutyric acid, Isovaleric acid, Propionic acid, Valeric acid

7 Fatty Acid Mix Solution in Water, 1000µg/mL, 1mL

Acetic acid, Butyric acid, Hexanoic acid, Isobutyric acid, Isovaleric acid, Propionic acid, Valeric acid

8 Fatty Acid Methyl Este Mix Solution in Isooctane, 500µg/mL, 1mL

cis-Docosahexaenoic acid, Dodecanoic acid, cis-13-Docosenoic acid, cis-5,8,11,14-Eicosatetraenoic acid, cis-5,8,11,14,17-Eicosapentaenoic acid, α-Linoleic acid, α-Linolenic acid, Tetradecanoic acid

9 Fatty Acid Mix Solution in Methanol, 1000µg/mL, 1mL

Arachidic acid, Docosanoic acid, cis-11-Eicosenoic acid, Hexadecanoic acid, α-Linoleic acid, α-Linolenic acid, Methyl trans-9-hexadecenoate, cis-9-Octadecenoic acid, Octadecanoic acid

Mix Standard Solutions Cont.

19 Fatty Acid Mix Solution in Methanol, 100µg/mL, 1mL

Arachidic acid, Decanoic acid, Dodecanoic acid, cis-13-Docosenoic acid, cis-11-Eicosenoic acid, cis-5,8,11,14-Eicosatetraenoic acid, Hendecanoic acid, Heptadecanoic acid, Hexadecanoic acid, cis-9-Hexadecenoic acid, Octadecanoic acid, Octanoic acid, cis-9-Octadecenoic acid, Pentadecanoic acid, cis-10-Pentadecenoic acid, Tetradecanoic acid, cis-15-Tetracosenoic acid, 9-cis-Tetradecenoic acid, Tridecanoic acid

37 Fatty Acid Mix Solution in Isooctane, 100µg/mL, 1mL

Arachidic acid, Butyric acid, Decanoic acid, Docosanoic acid, Dodecanoic acid, cis-Docosahexaenoic acid, cis-13-Docosenoic acid, cis-13,16-Docosadienoic acid, cis-11-Eicosenoic acid, cis-11,14-Eicosadienoic acid, cis-11,14,17-Eicosatrienoic acid, cis-5,8,11,14-Eicosatetraenoic acid, cis-5,8,11,14,17-Eicosapentaenoic acid, cis-8,11,14-Eicosatrienoic acid, Hendecanoic acid, Heptadecanoic acid, Hexadecanoic acid, Hexanoic acid, cis-9-Hexadecenoic acid, cis-10-Heptadecenoic acid, n-Heneicosanoic acid, α-Linoleic acid, α-Linolenic acid, γ-Linolenic acid, Octadecanoic acid, Octanoic acid, cis-11-Octadecenoic acid, cis-6-Octadecenoic acid, cis-9-Octadecenoic acid, Pentadecanoic acid, cis-10-Pentadecenoic acid, Tetracosanoic acid, Tetradecanoic acid, Tricosanoic acid, Tridecanoic acid, 9-cis-Tetradecenoic acid, cis-15-Tetracosenoic acid

2 Steroid Hormone Mix Solution in Acetonitrile, 100µg/mL, 1mL

Hydrocortisone, Prednisone

7 Female Hormone Mix Solution in Acetonitrile, 100µg/mL, 1mL

Altrenogest, Chlormadinone, (E,Z)-Diethylstilbestrol, Estradiol benzoate, Flugestone acetate, Medroxyprogesterone 17-acetate, Megestrol acetate

8 Steroid Hormone Mix Solution in Acetonitrile, 100µg/mL, 1mL

Dienestrol, (E,Z)-Diethylstilbestrol, Estradiol, Estriol, Estrone, Ethinylestradiol, 17α-Estradiol, Hexestrol

11 Hormone Mix Solution in Acetonitrile, Varied Concentration, 1mL

Aldosterone, Androstenedione, Cortexolone, Desoxycorticosterone, Dihydrotestosterone, 21-Deoxycortisol, Estriol, Estrone, Melatonine, Progesterone, Testosterone

15 Steroid Hormone Mix Solution in Acetonitrile, 100µg/mL, 1mL

Altrenogest, Chlormadinone, Chlormadinone acetate, Dienestrol, Ethinylestradiol, 17α-Estradiol, Hexestrol, Hydroxyprogesterone caproate, 17α-Hydroxyprogesterone 17-acetate, Medroxyprogesterone, 17-acetate-Megestrol, Megestrol acetate, Melengestrol acetate, D-(-)-Norgestrel, Norgestrel

22 Steroid Hormone Mix Solution in Methanol, 100µg/mL, 1mL

Altrenogest, 19-nor-4-Androstene-3,17-dione, Boldenone, Danazol, Dehydroepiandrosterone, Dihydrotestosterone, Dydrogesterone, Epiandrosterone, Estrone, Fluoxymesterone, Mestanolone, Mesterolone, Methandrostenolone, Methylandrostenediol, Methyltestosterone, Nandrolone phenylpropionate, Nandrolone propionate, Norethindrone, Norgestrel, Stanozolol, Testosterone propionate, Trenbolone

8 Stable Isotope Labeled Steroid Hormone Mix Solution in Acetonitrile, 100µg/mL, 1mL

Z,Z-Dienestrol-d6, E-DiethylStilbesterol-d8, 17α-Estradiol-d2, Estradiol-d2, Estriol-d3, Estrone-d2, Ethinylestradiol-d4, Hexestrol-d4

10 Stable Isotope Labeled Hormone Mix Solution in Acetonitrile, Varied Concentration, 1mL

Aldosterone-d4, Androstenedione-13C3, Cortexolone-d5, Corticosterone-d4, Desoxycorticosterone-d8, Dihydrotestosterone-d3, 21-Deoxycortisol-d8, Melatonin-d4, Progesterone-d9, Testosterone-13C3

Mix Standard Solutions Cont.

2 Vitamin Mix Solution in Methanol, 100µg/mL, 1mL

Vitamin A, Vitamin D2

2 Vitamin Mix Solution in Methanol, 100µg/mL, 1mL

Vitamin D2, Vitamin D3

2 Drug Mix Solution in Methanol, 100µg/mL, 1mL

(-)-Epinephrine, Norepinephrine

10 Bile Acid Mix Solution in Methanol, 100µg/mL, 1mL

Chenodeoxycholic acid, Cholic acid, Deoxycholic acid, Glycocholic acid, Glycoursodeoxycholic acid, Lithocholic acid, Taurocholic acid, Taurochenodesoxycholic acid, Tauroursodeoxycholic acid, Ursodeoxycholic acid

13 Stable Isotope Labeled Bile acid Mix Solution in Methanol, varied concentration, 1mL

Chenodeoxycholic acid-d4, Cholic acid-d4, Deoxycholic acid-d6, Glycochenodeoxycholic acid-d7 (Major), Glycocholic acid-d4, Glycoursodeoxycholic acid-d5, Lithocholic acid-d4, Taurocholic acid-d8, Taurochenodeoxycholic acid-d5, Taurodeoxycholic acid-d4, Taurolithocholic acid-d4, Tauroursodeoxycholic acid-d4, Ursodeoxycholic acid-d4

4 Epinephrine Mix Solution in Methanol, 100µg/mL, 1mL

(-)-Epinephrine, DL-Metanephrine, DL-Normetanephrine, Norepinephrine

4 Stable Isotope Labeled Epinephrine Mix Solution in Methanol, 100µg/mL, 1mL

rac-Epinephrine-d6, DL-Metanephrine-d3, DL-Norepinephrine-d6, DL-Normetanephrine-d3

8 Stable Isotope Labeled Carnitine Mixture, varied concentration, 1mL

Acetyl L-carnitine-d3 chloride, Butyryl-L-carnitine-d3 chloride, L-Carnitine-d9 chloride, Isovaleryl L-carnitine-d9 chloride, Myristoyl-L-carnitine-d3 chloride, Octanoyl L-carnitine-d3 chloride, Palmitoyl-L-carnitine-d3 chloride, Propiony-L-carnitinel-d3 chloride

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- Zearalenones
- Fumonisins
- Ochratoxins
- Nivalenol

Mushroom Toxins
- Cyclic Peptides
- Amino Acids
- Alkaloids

Bacterial Toxins
- Polymyxins
- Bacitracins
- Phenomycins



Drugs
- β-agonists
- Antibiotics
- Steroid Hormones
- Hypoglycemic
- Hypolipidemic
- Antihypertensive
- "Nafil" Analogs

Marine Toxins
- Saxitoxins
- Tetrodotoxins
- Microcystins
- Ciguatoxins
- Dinophysistoxins
- Azaspiracids

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- Insecticides
- Herbicides
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Featured Products

Category	Catalog No.	Product Name	Pkg
Biotoxins	1ST201495-10A	11 Mycotoxin Mix Solution in Acetonitrile	10μg/mL, 1mL
	1ST50986-10AW	Fumonisin B1&B2 Mix Solution in Acetonitrile/Water	10μg/mL, 1mL
	1ST203239-100AF	7 Alkaloid Mix Solution in Acetonitrile/DMF	100μg/mL, 1mL
	1ST188634-100M	Puberulic acid Solution in Methanol	100μg/mL, 1mL
	1ST7294-100M	Bongkrekic acid Solution in Methanol	100μg/mL, 1mL
	1ST7217-10W	Phalloidin Solution in Water	10μg/mL, 1mL
	1ST7269Z-100μg	Ibotenic acid	100μg
	1ST161315-100A	Bufotalin Solution in Acetonitrile	100μg/mL, 1mL
	1ST161316-100A	Bufalin Solution in Acetonitrile	100μg/mL, 1mL
	1ST162448-1A	Cereulide Solution in Acetonitrile	1μg/mL, 1mL
	1ST9101-100MW	Tetrodotoxin Solution in Methanol/Water	100μg/mL, 1mL
Pesticides	1ST022876-Kit	19 Rodenticide Mix Kit	1 Kit
	1ST020798-Kit	20 Organticochlorine Insecticide&Internal Standard Mix Kit	1 Kit
	1ST021223-Kit	89 Pesticide Mix Kit	1 Kit
	1ST022858-Kit	24 Sulfonylurea Herbicide Mix Kit	1 Kit
	1ST022879-Kit	113 Pesticide&Metabolite Mix Kit	1 Kit
	1ST22470-100W	Glyphosate Solution in Water	100μg/mL, 1mL
Drugs	1ST48188-100M	27 β-Adrenergic Receptor Mix Solution in Methanol	100μg/mL, 1mL
	1ST48187-100A	14 Steroid Hormone Mix Solution in Acetonitrile	100μg/mL, 1mL
	1ST48186-Kit	45 Macrolide Antibiotic Mix	1 Kit
	1ST45575-100M	16 Glucose-lowering drug Mix Solution in Methanol	100μg/mL, 1mL
	1ST45582-Kit	12 Drug Mix Kit	1 Kit
	1ST45579-Kit	40 Hypotensive drug Mix Kit	1 Kit
	1ST82973-10-Kit	95 Nafil Mix Kit	1 Kit
	1ST45359-100A	11 Cardiovascular Drug Mix Solution in Acetonitrile	100μg/mL, 1mL
	1ST45571-Kit	282 Drug Mix Kit	1 Kit

Contact us for full product catalog or additional information.

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Emerging Persistent Organic Pollutants Reference Materials

Emerging Persistent Organic Pollutants Reference Materials

- PCBs
- PBDEs
- Dioxins
- PFSAs and Related Compounds
- PFCAs and Related Compounds
- Antibiotics
- Dechlorane Plus
- Stockholm Coonvention POPs
- Short-chain Chlorinated Paraffins
- Stable Isotope Labeled Compounds



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- PFSAs Mix Solutions
- Organochlorine Pesticides Mix Solutions
- Dioxins Mix Solutions
- PFCAs Mix Solutions
- PCBs Mix Solutions
- VOCs/ SVOCs Mix Solutions

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Related Perfluorinated Compounds	PFSAs	PFCAs
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2FTS)	Perfluorobutanesulfonic acid	Perfluorobutanoic acid
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2FTS)	Perfluoropentanesulfonic acid	Perfluorovaleric acid
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2FTS)	Perfluorohexanesulfonic acid	Perfluorohexanoic acid
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	Perfluoroheptanesulfonic acid	Perfluoroheptanoic acid
Perfluoro-2-(propyloxy)propionic acid (HFPO-DA)	Perfluorooctanesulfonic acid	Perfluorooctanoic acid
Perfluoro-3,6-dioxaheptanoic acid (3,6-OPFHpA)	Perfluorononanesulfonic acid	Perfluorononanoic acid
Perfluoro-3-methoxypropanoic acid (PFMPA)	Perfluorodecanesulfonic acid	Perfluorodecanoic acid
Perfluoro-4-methoxybutanoic acid (PFMBA)	Perfluoroundecanesulfonic acid	Perfluoroundecanoic acid
Perfluorooctanesulfonamide (FOSA-I)	Perfluorododecanesulfonic acid	Perfluorododecanoic acid
Perfluorooctanesulfonyl fluoride (FOSF)	Perfluorotridecanesulfonic acid	Perfluorotridecanoic acid
		Perfluorotetradecanoic acid
		Perfluorooctadecanoic acid

Antibiotics		PBDEs	PCBs
Ciprofloxacin	1,7-Dimethylxanthine	2,2',4,-Tribromodiphenylether	2,4'-Dichlorobiphenyl
Cinoxacin	Flumequine	2,4,4'-Tribromodiphenylether	2,4,4'-Trichlorobiphenyl
Danofloxacin	Ibuprofen	2,2',4,4'-Tetrabromodiphenylether	2,2',5-Trichlorobiphenyl
Enoxacin	Metformin hydrochloride	2,3',4,4'-Tetrabromodiphenylether	2,2',5,5'-Tetrachlorobiphenyl
Enrofloxacin	Ranitidine	2,3',4',6-Tetrabromodiphenylether	2,2',3,5'-Tetrachlorobiphenyl
Gatifloxacin	Trimethoprim	2,2',3,4,4'-Pentabromodiphenylether	2,3,4,4',5-Pentachlorobiphenyl
Lomefloxacin	Tylosin A tartrate	2,2',4,4',5-Pentabromodiphenylether	2,2',4,5,5'-Pentachlorobiphenyl
Levofloxacin	Triclosan	2,2',4,4',6-Pentabromodiphenylether	2,3',4,4',5-Pentachlorobiphenyl
Moxifloxacin	Triclocarban	2,2',3,4,4',5'-Hexabromodiphenylether	2,2',3,4,4',5'-Hexachlorobiphenyl
Norfloxacin	Sulfacetamide	2,2',4,4',5,5'-Hexabromodiphenylether	2,2',4,4',5,5'-Hexachlorobiphenyl
Ofloxacin	Sulfadiazine	2,2',4,4',5,6'-Hexabromodiphenylether	2,2',3,4,4',5,5'-Heptachlorobiphenyl
Pefloxacin mesylate	Sulfamonomethoxine	2,2',3,4,4',5',6-Heptabromodiphenylether	2,2',3,3',4,5,5',6-Octachlorobiphenyl
Sparfloxacin	Sulfamethoxypyridazine	2,3,3',4,4',5,6-Heptabromodiphenylether	2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl
Sarafloxacin hydrochloride	Sulfathiazole	Decabromodiphenyl ether	
Oxolinic acid	Sulfapyridine		
Nalidixic acid	Sulfameter		
Azithromycin	Sulfamerazine	**Organochlorine Pesticides**	**HBCD**
Clarithromycin	Sulfamethazine	2,4'-DDT / α-Endosulfan	1,2,5,6,9,10-HBCD
Erythromycin	Sulfamethizole	4,4'-DDT / β-Endosulfan	α-HBCD
Roxithromycin	Sulfadoxine	α-BHC / Endosulfan sulfate	β-HBCD
Clindamycin hydrochloride	Sulfamethoxazole	β-HCH / Dicofol	γ-HBCD
Lincomycin hydrochloride	Sulfisoxazole	δ-HCH / Kepone	
Chloramphenicol	Sulfabenzamide	ε-HCH / Hexachlorobenzene	
Florfenicol	Sulfadimethoxine	γ-HCH	
Thiamphenicol	Sulfaquinoxaline		
Cimetidine	Sulfaphenazole		

Short-chain Chlorinated Paraffins		
Chloroparaffin C10 50% Cl	Chloroparaffin C11 63% Cl	Chloroparaffin C13 55% Cl
Chloroparaffin C10 55% Cl	Chloroparaffin C12 49% Cl	Chloroparaffin C13 63% Cl
Chloroparaffin C10 60% Cl	Chloroparaffin C12 54% Cl	Chloroparaffin C10-C13 51.5% Cl
Chloroparaffin C11 44% Cl	Chloroparaffin C12 64% Cl	Chloroparaffin C10-C13 55.5% Cl
Chloroparaffin C11 50% Cl	Chloroparaffin C13 48% Cl	Chloroparaffin C10-C13 63% Cl
Chloroparaffin C11 55% Cl	Chloroparaffin C13 50% Cl	

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1,500 Environmental Monitoring Reference Materials

- PBBs
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- Perfluorinated Compounds
- Aliphatic Hydrocarbons
- Aldehyde & Ketone DNPHs
- VOCs
- SVOCs
- PCDEs
- PAHs
- Dioxins
- Water Quality Monitoring Standards
- Air Quality Monitoring Standards
- Soil Quality Monitoring Standards
- Stable Isotope Labeled Compounds



Mix Standard Solutions

- VOCs/SVOCs Mix Solutions
- PAHs Mix Solutions
- PCBs Mix Solutions
- PBDEs Mix Solutions
- EPA Mehtod Mix Solutions
- Dioxins Mix Solutions
- Phenols Mix Solutions
- Nitrosamines Mix Solutions
- Nitrobenzenes Mix Solutions
- Aldehyde/Ketone DNPHs Mix Solutions

Our Products

- Neat Analytes
- Single Standard Solutions
- Mix Standard Solutions
- Stable Isotope Labeled Compounds

Our Services

- Custom Synthesis
- Custom Mix Standard Solutions

Quality Control

UHPLC-DAD, UHPLC-ELSD, LC-MS, LC-MS/MS, GC-FID, GC-ECD, GC-FPD, GC-MS, GC-MS/MS, HRMS, ICP-MS, NMR, qNMR, UV, IR, KFT, TG

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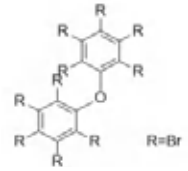
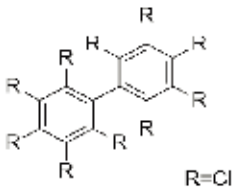
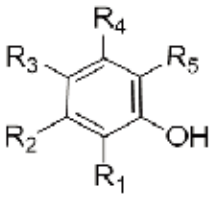
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Featured Products

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PBDEs	
	4,4'-Dibromodiphenyl ether
	2,4,4'-Tribromodiphenyl ether
	2,2',4,5'-Tetrabromodiphenyl ether
	2,2',3,4,4'-Pentabromodiphenyl ether
	2,2',3,3',4,4'-Hexabromodiphenyl ether
PCBs	
	2,4,4'-Trichlorobiphenyl
	2,3,4,4',5-Pentachlorobiphenyl
	2,2',3,4,4',5'-Hexachlorobiphenyl
	2,2',3,4,4',5,5'-Heptachlorobiphenyl
	2,2',3,3',4,5,5',6-Octachlorobiphenyl
	2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl
Phenols	
	2,3,5-Trimethylphenol
	2,3,5,6-Tetrachlorophenol
	2,6-Dimethoxyphenol
	3,5-Dichlorophenol
	4-(1-Phenylethyl)-1,3-benzenediol
	4-Nitrocatechol
	4-Propylphenol

PFSAs	PFCAs
Perfluorobutanesulfonic acid	Perfluorobutanoic acid
Perfluoropentanesulfonic acid	Perfluorovaleric acid
Perfluorohexanesulfonic acid	Perfluorohexanoic acid
Perfluoroheptanesulfonic acid	Perfluoroheptanoic acid
Perfluorooctanesulfonic acid	Perfluorooctanoic acid
Perfluorononanesulfonic acid	Perfluorononanoic acid
Perfluorodecanesulfonic acid	Perfluorodecanoic acid
Perfluoroundecanesulfonic acid	Perfluoroundecanoic acid
Perfluorododecanesulfonic acid	Perfluorododecanoic acid
Perfluorotridecanesulfonic acid	Perfluorotridecanoic acid
	Perfluorotetradecanoic acid
	Perfluorooctadecanoic acid

Short-chain Chlorinated Paraffins		
Chloroparaffin C10 50% Cl	Chloroparaffin C11 63% Cl	Chloroparaffin C13 55% Cl
Chloroparaffin C10 55% Cl	Chloroparaffin C12 49% Cl	Chloroparaffin C13 63% Cl
Chloroparaffin C10 60% Cl	Chloroparaffin C12 54% Cl	Chloroparaffin C10-C13 51.5% Cl
Chloroparaffin C11 44% Cl	Chloroparaffin C12 64% Cl	Chloroparaffin C10-C13 55.5% Cl
Chloroparaffin C11 50% Cl	Chloroparaffin C13 48% Cl	Chloroparaffin C10-C13 63% Cl
Chloroparaffin C11 55% Cl	Chloroparaffin C13 50% Cl	

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PFAS Reference Materials

PFAS Reference Materials

- PFCAs
- Fluorotelomers
- Other Perfluorinated Compounds
- Perfluorocarboxylic Anhydrides
- Perfluoroalkyl Iodide
- PFSAs
- Perfluorosulfonamides
- Perfluorosulfonyl Fluorides
- Perfluorosulfonic Anhydrides
- Stable Isotope Labeled Compounds



Mix Standard Solutions

- PFCAs Mix Solutions
- EPA Method Mix Solutions
- PFSAs Mix Solutions
- PFAS Mix Solutions

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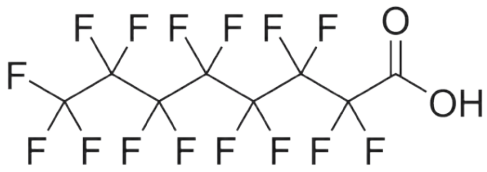
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Perfluorooctanoic acid (PFOA)



Perfluorooctanesulfonic acid (PFOS)



Perfluoro-4-methoxybutanoic acid (PFMBA)

PFCAs
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Pentafluoropropionic acid-13C
Heptafluorobutyric acid
Heptafluorobutyric acid-13C4
Perfluorovaleric acid
Perfluorovaleric acid-13C5
Perfluorohexanoic acid
Perfluorohexanoic acid-13C2
Perfluoroheptanoic acid
Perfluoroheptanoic acid-13C4
Perfluorooctanoic acid
Perfluorooctanoic acid-13C4
Perfluorooctanoate ammonium salt
Perfluorononanoic acid
Perfluorononanoic acid-13C9
Perfluorodecanoic acid
Perfluorodecanoic acid-13C2
Perfluoroundecanoic acid
Perfluoroundecanoic acid-13C2
Perfluorododecanoic acid
Perfluorododecanate-13C2 sodium salt
Pentacosafluorotridecanoic acid
Perfluorotetradecanoic acid
Perfluorohexadecanoic acid
Perfluorooctadecanoic acid
PFSAs
Perfluorobutanesulfonate potassium salt
Perfluorobutanesulfonic acid-13C3 sodium salt
Perfluoropentanesulfonic acid hydrate
Perfluorohexanesulfonate potassium salt
Perfluorohexanesulfonate-18O2 sodium salt
Perfluoroheptanesulfonic acid
Perfluoroheptanesulfonate potassium salt
Perfluorooctanesulfonic acid
Perfluorooctanesulfonic acid-13C4
Perfluorooctanesulfonate potassium salt
Perfluorononanesulfonate sodium salt
Perfluorodecanesulfonate sodium salt

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Mix Standard Solutions

Customized to meet your needs

Mix Standard Solutions

Far more than just mixing and dissolving



Mix standard solutions consist of a wide variety of components (analytes) and can range from just two to hundreds of components. These commonly used reagents are used in analytical testing for quick, convenient, and one-time detection of multiple components, especially high throughput mass analysis. The preparation of mix standard solutions requires special techniques and conditions, strong knowledge of chemistry, a thorough understanding of chemical and physical properties and interaction activity of each component. Strict evaluation and experimental testing must be passed before preparation to ensure the stability of the mix standard solutions and accuracy of the measures.

Why Choose Mix Standard Solutions?

- **FAST & CONVENIENT:** With the snap of an ampoule, you' re ready to go.
- **TIME SAVING:** Choose the components to be tested; no sample weighing, mixing, solution preparing and bottling work needed.
- **REDUCE COST:** Avoid purchasing hundreds of standard materials, reduce inventory cost, prevent losses caused by expiration of analytical standards.
- **IMPROVE EFFICIENCY:** No interruptions during sample weighing and solution making to avoid mistakes.
- **ENSURE QUALITY:** Fully characterized materials ensure correctness and accuracy.

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Featured Products

- **181 Veterinary Drugs Mix Standard Solution**
  Suitable for "High Throughput Screening and Quantitation --Methods for 181 Veterinary Drugs Residues in Animal Source Food" (Sciex Method)

- **176 PPCPs Mix Standard Solution**
  Suitable for "Determination of 176 Pharmaceuticals and Personal Care --Products (PPCPs) in Surface Water in China" (Sciex Method)

- **9 Nitrosamines Mix Standard Solution**
  Suitable for "US EPA Method 8270C, Semivolatile Organic --Compounds by Gas Chromatography/MASS Spectrometry (GC/MS)"

Catalog No.	Product Name	Solvent	Concentration	Pkg
1ST27010-100B	70 Pesticides Mix Solution	Acetone	100μg/mL	1mL
1ST27012-100B	12 Organochlorine Pesticides Mix Solution	Acetone	100μg/mL	1mL
1ST27057-100M	10 Carbamate Insecticides Mix Solution	Methanol	100μg/mL	1mL
1ST9213-100MD	23 Imidazoles & BenzimidazolesMix Solution	Methanol/DMSO	100μg/mL	1mL
1ST9218-100E	12 Macrolide Antibiotics Mix Solution	Ethyl acetate	100μg/mL	1mL
1ST9220-100M	45 Steroid Hormones Mix Solution	Acetonitrile	100μg/mL	1mL
1ST9221-100M	8 β-Adrenergic Receptors Mix Solution	Methanol	100μg/mL	1mL
1ST50013-2000M	9 Nitrosamines Mix Solution	Methanol	2000μg/mL	1mL
1ST50054-10A	Aflatoxin B1, B2, G1, G2 Mix Solution	Acetonitrile	10μg/mL	1mL
1ST8801-100A	18 Photosensitizer Mix Solution	Acetonitrile	100μg/mL	1mL
1ST8802-100A	16 UV Absorbants Mix Solution	Acetonitrile	100μg/mL	1mL
1ST1188-1000H	18 Phthalate Mix Solution	N-Hexane	1000μg/mL	1mL
1ST1255-100M	24 Azodyes Mix Solution	Methanol	100μg/mL	1mL
1ST1270-200M	26 Azodyes Mix Solution	Methanol	200μg/mL	1mL
1ST1183-1000H	16 Phthalate Mix Solution	N-Hexane	1000μg/mL	1mL
1ST1187-1000H	21 Phthalate Mix Solution	N-Hexane	1000μg/mL	1mL
1ST1036-20A	14 Aldehyde/Ketone DNPH Mix Solution	Acetonitrile	20μg/mL	1mL
1ST1060-15A	25 Aldehyde/Ketone DNPH Mix Solution	Acetonitrile	15μg/mL	1mL
1ST1062-3A	5 Aldehyde/Ketone DNPH Mix Solution	Acetonitrile	3μg/mL	1mL
1ST8601-100M	12 Preservatives Mix Solution	Methanol	100μg/mL	1mL
1ST9224-1000M	3 Dichlorobenzene Mix Solution	Methanol	1000μg/mL	1mL
1ST60001-100H	7 PCBs Mix Solution	N-Hexane	100μg/mL	1mL
1ST8902-100M	27 sVOCs Mix Solution	Methanol	100μg/mL	1mL
1ST60002-100H	7 PBDEs Mix Solution	N-Hexane	100μg/mL	1mL
1ST1091-20A	4 Aldehyde/Ketone DNPH Mix Solution	Acetonitrile	20μg/mL	1mL
1ST60005-100H	23 PAHs Mix Solution	N-Hexane	100μg/mL	1mL
1ST8906	15 VOCs Mix Solution	Methanol	N/A	1mL
1ST1190-100H	8 Phthalate Mix Solution	N-Hexane	100μg/mL	1mL
1STG47013-100M	7 Steroid Hormones Mix Solution	Methanol	100μg/mL	1mL
1ST9284-100M	10 Quinolones Mix Solution	Methanol	100μg/mL	1mL

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Alta specializes in the development and production of organic standards for mass spectrometry applications including food analysis, clinical testing, environmental detection, pesticides testing and more.

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- 30+ Years of experience in organic chemistry
- Custom synthesis of known and unknown compounds
- 6,000+ Isotopically labeled compounds
- Custom mix standard solutions

> At Alta, you work is our mission; our team takes pride in providing **high quality products** to our customers with **competitive pricing, robust QA/QC**, and **superior technical support** at every step.

Stable Isotope Labeled Reference Materials

Food Analysis

Product Name	CAS
1,3-Distearoyl-2-chloropropanediol-d5	1329796-49-7
2-MCPD-d5	1216764-05-4
3-Chloro-1,2-propanediol-palmitate-13C3	51930-97-3 (unlabelled)
3-Chloro-1,2-propanediol-palmitate-d5	1185057-55-9
3-MCPD-d5	342611-01-2
Aflatoxin B1-13C17	1217449-45-0
Aflatoxin M1-13C17	6795-23-9 (Unabeled)
Bis(2-ethylhexyl) phthalate-d4	93951-87-2
Choline-d4 chloride	285979-70-6
D-Pantothenic acid-13C3,15N hemicalcium salt	356786-94-2
Deoxynivalenol-13C15	911392-36-4
Dibutyl phthalate-d4	93952-11-5
Diisononyl phthalate-d4	1332965-90-8
Ethyl carbamate-d5	73962-07-9

Product Name	CAS
Fumonisin B1-13C34	1217458-62-2
Fumonisin B2-13C34	1217481-36-1
Fumonisin B3-13C34	1217494-88-6
Glycidyl palmitate-d5	1794941-80-2
N-Nitrosodimethylamine-d6	17829-05-9
Patulin-13C7	1353867-99-8
Pyridoxal-d3 hydrochloride	1173023-49-8
Pyridoxamine-d3 dihydrochloride	1173023-45-4
rel-Vitamin B7-d4	1217850-77-5
Sodium cyclamate-d4	1627119-76-9
Vitamin B12-13C7	1978303-01-3
Vitamin B6-13C4 hydrochloride	58-56-0 (Unlabelled)
Vitamin D2-d3	1217448-46-8
Vitamin D3-d3	80666-48-4

Pharmaceutical & Clinical Testing

Product Name	CAS
Adamantanamine-d15	33830-10-3
Adamantanamine-d6	1219805-53-4
Atenolol-d7	1202864-50-3
Cadaverine-d4	95596-35-3
Cefoperazone-d5	2410425-70-4
Cefotaxime-d3	63527-52-6 (Unlabeled)
Chenodeoxycholicacid-d4	99102-69-9
Cholic acid-d4	116380-66-6
Clomifene-d5 hydrochloride	1346606-66-3
Clonidine hydrochloride-d4	67151-02-4
Fluoxetine-d5 hydrochloride	1173020-43-3
Glycocholicacid-d4	1201918-15-1
Glycolithocholic acid-d4	2044276-16-4

Product Name	CAS
Glycoursodeoxycholicacid-d4	2044276-17-5
Histamine-d4 dihydrochloride	344299-48-5
Levomefolic acid-13C,d3	1356019-94-7
Lithocholic acid-d4	83701-16-0
Melatonin-d4	66521-38-8
Memantine-d6 hydrochloride	1189713-18-5
Ribavirin-13C5	1646818-35-0
Rimantadine-d4 hydrochloride	350818-67-6
Salamide-15N2	446877-58-3
Trimetazidine-d8 dihydrochloride	1219795-37-5
(±)-Trimetoquinol-d9 hydrochloride	2603690-30-6
Tyramine-d4 (phenyl-d4)	944386-63-4
Ursodeoxycholicacid-d4	347841-46-7

Environmental Detection

Product Name	CAS
Acenaphthene-d10	15067-26-2
Anthracene-d10	1719-06-8
Anthraquinone-d8	10439-39-1
Benz[a]anthracene-d12	1718-53-2
Benzo[a]pyrene-D12	63466-71-7
Benzo[b]fluoranthene-d12	93951-98-5
Bisphenol A-d16	96210-87-6
Chrysene-d12	1719-03-5
2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl-13C12	105600-27-9
Decabromodiphenyl ether-13C12	562099-68-7
Heptafluorobutyric acid-13C4	1017281-29-6
Naphthalene-d8	1146-65-2
Perfluoro-2-(propyloxy)propionic acid-13C3	13252-13-6 (Unlabeled)
Perfluorobutanesulfonic acid-13C3 sodium salt	2708218-84-0

Product Name	CAS
Perfluorododecanate-13C2	960315-52-0
Perfluoroheptanoic acid-13C4	2328024-55-9
Perfluorohexanesulfonic acid-13C3 sodium salt	2708218-86-2
Perfluorohexanoic acid-13C2	960315-47-3
Perfluorononanoic acid-13C5	960315-49-5
Perfluorononanoic acid-13C9	2283397-80-6
Perfluorooctanesulfonate-13C4 sodium salt	960315-53-1
Perfluorooctanoic acid-1,2-13C2	864071-08-9
Perfluorooctanoic acid-13C4	960315-48-4
Perfluorooctanoic acid-13C8	1350614-84-4
Perfluorovaleric acid-13C5 sodium salt	2483735-37-9
Perylene-d12	1520-96-3
Phenanthrene-d10	1517-22-2
Pyrene-d10	1718-52-1

Pesticides

Product Name	CAS
Acetamiprid-d3	1353869-35-8
Atrazine-d5	163165-75-1
Chlormequat chloride-d4	999-81-5 (Unlabeled)
Chlorpyrifos-d10	285138-81-0
Clothianidin-d3	1262776-24-8
Dichlorvos-d6	203645-53-8
Diquatdibromide-d4	347841-65-0
Glufosinate-d3 hydrochloride	1323254-05-2
Glyphosate-13C2,15N	1185107-63-4

Product Name	CAS
Hexachlorobenzene-13C6	93952-14-8
Imidacloprid-d4	1015855-75-0
Paraquat dichloride-d8	347841-45-6
Parathion-methyl-d6	96740-32-8
Thiamethoxam-d3	1294048-82-0
Triphenyl phosphate-d15	1173020-30-8
Tris(1-chloro-2-propyl) phosphate-d18	1447569-78-9
Tris(1,3-dichloro-2-propyl) phosphate-d15	1447569-77-8
Warfarin-d5	75472-93-4

Veterinary Medicine

Product Name	CAS
3-Amino-2-oxazolidinone-d4	1188331-23-8
Azithromycin-d5	83905-01-5 (Unlzbelled)
Chloramphenicol-d5	202480-68-0
Chlorpromazine-d6 hydrochloride	1228182-46-4
Ciprofloxacin-d8 hydrochloride	1216659-54-9
Clenbuterol-d9 hydrochloride	184006-60-8
4,4’ -Dinitrocarbanilide-d8	1156508-87-0
Enrofloxacin-d5	1173021-92-5
Florfenicol-d3	1217619-10-7

Product Name	CAS
Florfenicol-d3 amine	76639-93-5 (Unlabeled)
Leucomalachite green-d6	1173021-13-0
Malachite green-d5 picrate	1258668-21-1
Norfloxacin-d5 hydrochloride	1015856-57-1 (Free base)
Salbutamol-d3	1219798-60-3
Sulfadimethoxine-d6	73068-02-7
Sulfadoxine-d3	1262770-70-6
ent-Thiamphenicol-d3	1217723-41-5
Toltrazuril-d3	1353867-75-0

Industrial Chemicals

Product Name	CAS
Acrylamide-13C3	287399-26-2
Acrylamide-d3	122775-19-3
Bisphenol A-d4	347841-41-2
Bisphenol S-13C12	1991267-29-8
1,2-Dichlorobenzene-d4	2199-69-1
1,3-Dichloro-2-propanol-d5	1173020-20-6
1,4-Dioxane-d8	17647-74-4
2,3-Dichloro-1-propanol-d5	1189730-34-4
Dichloroacetic acid-2-13C	286367-78-0

Product Name	CAS
Ethyl vanillin-d5	1335401-74-5
Eugenol-d3	1335401-17-6
Methylvanillin-d3	143318-06-3
3,6,3-Nonylphenol-13C6	1173020-38-6
4-n-Nonylphenol-d5	358730-95-7
Tributyl phosphate-d27	61196-26-7
Trimethyl-d9 phosphate	32176-12-8
Tris(2-chloroethyl) phosphate-d12	1276500-47-0
Vanillin-d3	74495-74-2

Mix Standard Solutions

Product Name	Solvent	Concentration	Package
Additive Mix Solution (5 Isotopic Labeled Compounds)	-	100μg/mL	1mL
Adrenergic Receptor Mix Solution (4 Isotopic Labeled Compounds)	Methanol	1μg/mL	1mL
β-Adrenergic Receptor Mix Solution (10 Isotopic Labeled Compounds)	Methanol	1000μg/mL	1mL
β-Adrenergic Receptor Mix Solution (4 Isotopic Labeled Compounds)	Methanol	100μg/mL	1mL
Amino Acid Mix Solution (20 Isotopic Labeled Compounds)	Water	100μg/mL	1mL*5
Antibiotic Mix Solution (5 Isotopic Labeled Compounds)	-	100μg/mL	1mL
Carnitine Mixture (13 Isotopic Labeled Compounds)	-	Varied conc.	1 Vial
Chloropropanol Mix Solution (4 Isotopic Labeled Compounds)	Ethyl acetate	100μg/mL	1mL
Fragrance Mix Solution (3 Isotopic Labeled Compounds)	Methanol	100μg/mL	1mL*5
Fumonisin B1,B2&B3 Mix Solution (3 Isotopic Labeled Compounds)	Water/Acetonitrile	5μg/mL	1mL
Hormone Mix Solution (21 Isotopic Labeled Compounds)	Acetonitrile	Varied conc.	1mL
β-lactam Mixture (16 Isotopic Labeled Compounds)	-	100μg	1 Vial*5
Imidazole & Benzimidazole Mix Solution (3 Isotopic Labeled Compounds)	Methanol	100μg/mL	1mL
Insecticide and Acaricide Mix Solution (6 Isotopic Labeled Compounds)	Acetonitrile	100μg/mL	1mL
Malachite Green & Crystal Violet Mix Solution (4 Isotopic Labeled Compounds)	Acetonitrile	100μg/mL	1mL
Mycotoxin and Steroid Hormone Mix Solution (5 Isotopic Labeled Compounds)	Acetonitrile	100μg/mL	1mL
Mycotoxin Mix Solution (16 Isotopic Labeled Compounds)	Acetonitrile	Varied conc.	1mL
Nitrofuran Mix Solution (2 Isotopic Labeled Compounds)	Acetonitrile	100μg/mL	1mL
Nitrofurans & Metabolites Mix Solution (4 Isotopic Labeled Compounds)	Methanol	100μg/mL	1mL
Nitroimidazole Mix Solution (4 Isotopic Labeled Compounds)	-	1000μg/mL	1mL
Nitrosamine Mix Solution (2 Isotopic Labeled Compounds)	Methanol	1000μg/mL	1mL
Organophosphate Insecticide Mix Solution (6 Isotopic Labeled Compounds)	Acetonitrile	100μg/mL	1mL
PAHs Mix Solution (8 Isotopic Labeled Compounds)	Acetone	Varied conc.	1mL
PCB Mix Solution (2 Isotopic Labeled Compounds)	Hexane	100μg/mL	1mL
Pesticide Mix Solution (10 Isotopic Labeled Compounds)	Acetonitrile	Varied conc.	1mL*5
Pesticide Mix Solution (21 Isotopic Labeled Compounds)	-	100μg/mL	1mL
Pesticide Mix Solution (4 Isotopic Labeled Compounds)	-	100μg/mL	1mL
Phenol Mix Solution (2 Isotopic Labeled Compounds)	Toluene	1000μg/mL	1mL
Phthalate Mix Solution (16 Isotopic Labeled Compounds)	Hexane	100μg/mL	1mL
Phthalate Mix Solution (6 Isotopic Labeled Compounds)	Methanol	100μg/mL	1mL
Pigment Mix Solution (5 Isotopic Labeled Compounds)	-	100μg/mL	1mL*5
Quinolone Mix Solution (13 Isotopic Labeled Compounds)	Methanol	100μg/mL	1mL*5
Steroid Hormone Mix Solution (17 Isotopic Labeled Compounds)	Methanol	10μg/mL	1mL
Steroid Hormone Mix Solution (8 Isotopic Labeled Compounds)	Acetonitrile	10μg/mL	1mL
Sulfonamide Mix Solution (17 Isotopic Labeled Compounds)	Methanol	100μg/mL	1mL*5
Sulfonamide Mix Solution (5 Isotopic Labeled Compounds)	Methanol	100μg/mL	1mL
Toxin Mix Solution (14 Isotopic Labeled Compounds)	Methanol:Water=1:1	Varied conc.	1mL
Toxin Mix Solution (4 Isotopic Labeled Compounds)	Acetonitrile	0.05μg/mL	1mL
Veterinary Medicine Mix Solution (4 Isotopic Labeled Compounds)	Methanol	100μg/mL	1mL
Veterinary Mix Solution (6 Isotopic Labeled Compounds)	Methanol	100μg/mL	1mL
VOCs Mix Solution (3 Isotopic Labeled Compounds)	Methanol	100μg/mL	1mL

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We deliver high precision, reliable quality, short leading time, cost-optimized solutions, and dedicated technical support tailored to your analytical requirements.

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Pesticide Metabolite

Drug	Metabolite	Metabolite
Carboxin	Oxycarboxin	Carboxin sulfoxid
Disulfoton	Disulfoton-sulfoxide	Disulfoton-sulfone
Dinotefuran	Dinotefuran metabolite UF	Dinotefuran metabolite DN
Spirotetramat	Spirotetramat-enol	Spirotetramat-enol-glucoside
Isoxaflutole	Isoxaflutole-diketonitrile	

Veterinary Metabolite

Drug	Metabolite
Ceftiofur	Desfuroyl ceftiofur
Dinitolmide	3-Amino-2-methyl-5-nitrobenzamide
Tylvalosin	3-O-Acetyltylosin
Olaquindox	3-Methyl-quinoxaline-2-carboxylic acid
Toltrazuril	Toltrazuril sulfone

Stable Isotope Labeled

- Acetyl-L-carnitine-d3
- Sodium cyclamate-d4
- 25-Hydroxy vitamin D3-d6
- 25-Hydroxy vitamin D3-13C5
- 2,4,4'-Tribromodiphenylether-13C6
- Malonylcarnitine-d3 chloride
- Butyryl-L-carnitine-d3
- Hexanoyl-L-carnitine-d3 chloride
- Linoleoyl-L-carnitine-d3

Drug Impurity

- Vinpocetine impurity A
- Vinpocetine impurity B
- Lufenuron Impurity M476
- Lufenuron Impurity M493
- Propisochlor metabolite M1
- Dexamethasone sodium phosphate impurity I
- Lactofen Impurity M447
- Lactofen Impurity M533
- Fomesafen Impurity M662

Nature Product

- Sesamin
- Sesamolin
- Gastrodin
- Mangiferin
- Solanesol
- Salidroside
- Berberine
- Coumarin 314
- Coumarin 498
- Coumarin 510
- Quercetin-3-methylether
- 4'-Methoxypuerarin
- Macranthoside A

Featured Product

- Z-Phosphamidon
- E-Phosphamidon
- Validamycin A
- Coumoxystrobin
- N-formyl-Spinetoram J
- Toltrazuril hydrolysis product
- Maleopimaricanhydride
- Camphor benzalkonium methosulfate
- Vitamin B12 hydrochloride
- α-Isomethylionone

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Agilent Solutions Reference Materials



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Product Overview

Pesticide Residues

Catalog No.	Product Name
1ST201342-Kit	242 Pesticide&Metabolite Mix Kit
1ST021690-Kit	352 Pesticide&Metabolite Mix Kit
1ST201352-100W	10 Pesticide Mix Solution in Water
1ST29384-10-kit	535 Pesticide&Metabolite Mix Solution Kit

Veterinary Drug Residues

Catalog No.	Product Name
1ST47537	276 Veterinary Mix Kit 24 sulfonamides, 23 quinolones, 28 steroids, 10 macrolides, 14 β-adrenergic receptors, 21 imidazoles, 32 insecticides, 30 other Antibiotics, 2 mycotoxins, and 92 additional compounds
1ST47131	189 Veterinary Medicine Mix Kit 24 sulfonamides, 16 quinolones, 14 steroids, 3 chloramphenicols, 10 macrolide antibiotics, 10 β-adrenergic receptors, 21 imidazoles, 4 coccidiostats,2 PFAS, 10 insecticides, and 75 additional compounds
1ST47269	217 Veterinary Medicines Mix Kit 24 sulfonamides, 16 quinolones, 23 steroids, 3 chloramphenicols, 10 macrolide antibiotics, 10 β-agonists, 16 imidazoles, 4 coccidiostats, 2 PFAS, 10 insecticides, 4 aflatoxins, and 95 additional compounds."

Environmental Monitoring

Catalog No.	Product Name
1ST80216	82 Organic Pollutants Mix Kit
1ST47566	95 Antibiotics Mix Kit
1ST82437-Kit	43 PFAS MixKit

Food contact materials

Catalog No.	Product Name
1ST80337-Kit	Agilent Drug and Food contact Material Mix Kit

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SCIEX Food & Environmental Analysis Reference Materials



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The integrated approach pairs technical support for method and instrument setup with high-quality reference materials to enable accurate identification and quantification, delivering reliable results with greater efficiency and full regulatory compliance. Our expanding portfolio addresses evolving standards and increasing sample throughput demands across multiple application areas.

Comprehensive Product Portfolio

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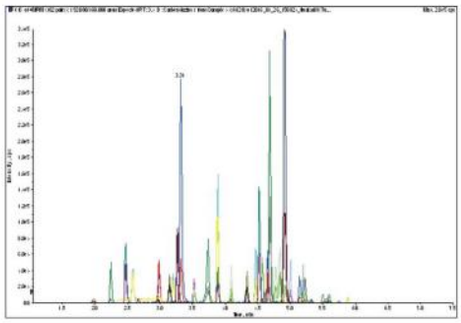
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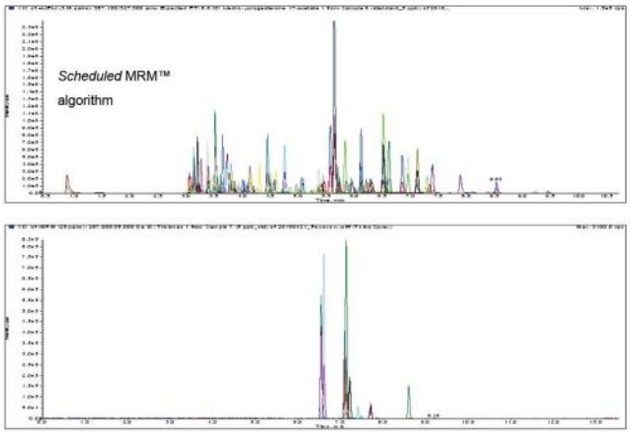
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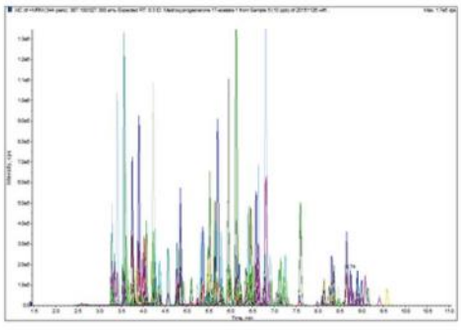
Category	Catalog No.	Product Name
Pesticides	1ST27059-Kit	307 Pesticide Mix Kit
	1ST27019-10A	51 Pesticide Mix Solution in Acetonitrile
	1ST020164-Kit	222 Pesticide Mix Kit in Tea
	1ST29486-A	30 Pesticide Mix Solution in Acetonitrile
Veterinary Drugs	1ST9232-Kit	181 Veterinary Medicine Mix Kit
	1ST80104-Kit	43 Antibiotic Mix Kit
	1ST47567-Kit	46 Antibiotic Mix Kit
	1ST82570-Kit	163 PPCPs Mix Kit
	1ST82614-Kit	243 PPCPs Mix Kit
Environmental Monitoring	1ST80219-100M	17 PFAS Mix Solution in Methanol
	1ST80233-100A	11 Perfluorocarboxylic acid Mix Solution in Acetonitrile
	1ST82599-Kit	56 PFAS Mix Kit
	1ST80883-100M	3 HBCD Mix Solution in Methanol
	1ST82600-100A	11 Organophosphate Flame Retardant Mix Solution in Acetonitrile
	1ST80912-1000B	4 Phenol Mix Solution in Acetone
	1ST82601-5A	21 Perfluoric Acid Mix Solution in Acetonitrile



51 Pesticide Mix Solution TIC



176 PPCPS Mix TIC



181 Veterinary Medicine TIC