

SOLUTIONS IN

# FOOD SAFETY & TESTING



*Devoted to Food Safety Every Day*

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**PRIBOLAB BIOTECH CO., LTD.CHINA**

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Pribolab is a leading supplier focusing on the field of food safety (especially biotoxins) test products and technical solutions. We have a comprehensive product line covering mycotoxin, cyanotoxin&marine toxin, food allergen, GMO, food constituents(sugar,acid,alcohol,etc.) determination, vitamin, veterinary drug residues, etc. The featured products including biotoxin solid/liquid standards, (<sup>13</sup>C,<sup>15</sup>N) isotope labeled internal standards, immunoaffinity columns, multifunction cleanup columns ,ELISA kits and rapid test strips, which are already widely applied in global food safety industry.Also we provide the global marketing with automated sample pretreatment and analytical instruments.

Pribolab, innovating on food safety every day!



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# Mycotoxins



A mycotoxin is a toxic secondary metabolite produced by organisms of kingdom Fungi, and is capable of causing disease and death in both humans and other animals. At present, there are more than 600 known mycotoxins, which are the main pollutants to colonize crops and feed. Agricultural products contaminated by mycotoxins can cause a variety of poisoning diseases, and may have great harm to crops, livestock, and humans.

Pribolab offers a wide range of mycotoxin detection products, including purification columns, reference materials, <sup>13</sup>C stable isotope internal standards, ELISA kits, rapid test strips.



## Purified Columns

### PriboFast<sup>®</sup> Immunoaffinity Columns (IAC)

#### Application

- ▷ To purify and concentrate mycotoxins from complicated matrices, such as grains, food, finished products, feed, spices, herbal materials, etc.
- ▷ To be applicable for various mycotoxins extraction, such as Aflatoxins (AFT), Deoxynivalenol (DON), Fumonisin (FBs), Ochratoxin A (OTA), T-2 toxin, HT-2 toxin, etc.

#### Test Principle

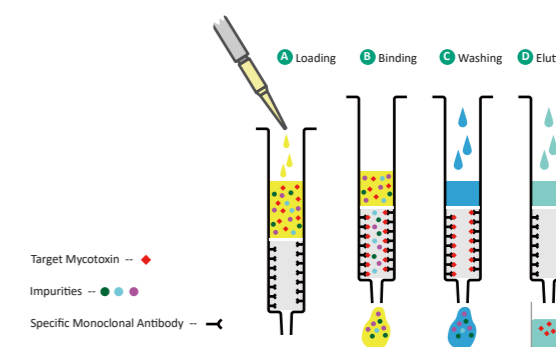
Based on monoclonal antibody technology, mycotoxin-antigen can specifically bind the specific antibody, and mycotoxins can be effectively purified or extracted.

#### Product Advantages

- ✓ High specificity and high affinity of monoclonal antibodies
- ✓ High purification efficiency of the target mycotoxin
- ✓ High column capacity and stable recovery rate.
- ✓ Simple and quick operation, saving time and cost.



#### IAC Operation Flowchart



### PriboFast<sup>®</sup> Immunoaffinity Columns(IAC)

Cat. No.	Product Name	Volume	Tests
IAC-010-1	Aflatoxin B <sub>1</sub> Immunoaffinity Column	1 mL	25/50 T
IAC-010-3	Aflatoxin B <sub>1</sub> Immunoaffinity Column	3 mL	25/50 T
IAC-011-1	Aflatoxin Total Immunoaffinity Column	1 mL	25/50 T
IAC-011-3	Aflatoxin Total Immunoaffinity Column	3 mL	25/50 T
IAC-011-3ZY	Aflatoxin Total Immunoaffinity Column (TCM)	3 mL	25/50 T

## PriboFast® Immunoaffinity Columns(IAC)

Cat. No.	Product Name	Volume	Tests
IAC-012-3	Aflatoxin M <sub>1</sub> Immunoaffinity Column	3 mL	25/50 T
IAC-014-3	Aflatoxin B+G+M Immunoaffinity Column	3 mL	25/50 T
IAC-020-1	Zearalenone Immunoaffinity Column	1 mL	25/50 T
IAC-020-3	Zearalenone Immunoaffinity Column	3 mL	25/50 T
IAC-020-3ZY	Zearalenone Immunoaffinity Column (TCM)	3 mL	25/50 T
IAC-021-3	Zeranols Immunoaffinity Column	3 mL	25/50 T
IAC-030-1	Deoxynivalenol Immunoaffinity Column	1 mL	25/50 T
IAC-030-3	Deoxynivalenol Immunoaffinity Column	3 mL	25/50 T
IAC-031-3	Deoxynivalenol,Nivalenol Immunoaffinity Column	3 mL	25/50 T
IAC-032-3	Deoxynivalenol Category Immunoaffinity Column	3 mL	25/50 T
IAC-040-1	OchratoxinA Immunoaffinity Column	1 mL	25/50 T
IAC-040-3	OchratoxinA Immunoaffinity Column	3 mL	25/50 T
IAC-041-1	OchratoxinA Immunoaffinity Column	1 mL	25/50 T
IAC-041-3	OchratoxinA Immunoaffinity Column	3 mL	25/50 T
IAC-050-1	Fumonisin Immunoaffinity Column	1 mL	25/50 T
IAC-050-3	Fumonisin Immunoaffinity Column	3 mL	25/50 T
IAC-060-1	T-2/HT-2 Toxin Immunoaffinity Column	1 mL	25/50 T
IAC-060-3	T-2/HT-2 Toxin Immunoaffinity Column	3 mL	25/50 T
IAC-061-1	T-2&HT-2Toxin Immunoaffinity Column	1 mL	25/50 T
IAC-061-3	T-2&HT-2 Toxin Immunoaffinity Column	3 mL	25/50 T
IAC-070-3	Citrinin Immunoaffinity Column	3 mL	25/50 T
IAC-090-3	Sterigmatocystin Immunoaffinity Column	3 mL	25/50 T
IAC-100-3	Alternariols Immunoaffinity Column	3 mL	25/50 T
IAC-101-3	Alternariol,Alternariol Monomethyl Ether Immunoaffinity Column	3 mL	25/50 T
IAC-102-3	Alternariol,Alternariol Monomethyl Ether,Tenuazonic Acid,Tentoxin Immunoaffinity Column	3 mL	25/50 T
IAC-104-3	Alternariol Monomethyl Ether Immunoaffinity Column	3 mL	25/50 T
IAC-110-3	Ergot Alkaloids Immunoaffinity Column	3 mL	25/50 T
IAC-120-3	AFT, ZEN Immunoaffinity Column	3 mL	25/50 T
IAC-D121-3	Aflatoxin,Deoxynivalenol Immunoaffinity Column	3 mL	25/50 T
IAC-122-DZ	2-in-1 Multi-toxin Immuni-affinity Column Customized	3 mL	25/50 T
IAC-123-3	AFT, ZEN, DON Immunoaffinity Column	3 mL	25/50 T
IAC-D124-3	Ochratoxin,Zearalenone,Deoxynivalenol Multi-toxin Immunoaffinity Column	3 mL	25/50 T

Cat. No.	Product Name	Volume	Tests
IAC-130-3	Cyclopiazonic Acid Immunoaffinity Column	3 mL	25/50 T
IAC-140-3	AFT, OTA Immunoaffinity Column	3 mL	25/50 T
IAC-142-3	Multi-toxin Immuni-affinity Column ADOZ (AFT, DON, OTA, ZEN)	3 mL	25 T
IAC-201-3	Zeranols Immunoaffinity Column	3 mL	25/50 T
IAC-300-3	Bisphenol-A/S Immunoaffinity Column	3 mL	25/50 T
IAC-D400-3	Multi-toxin Immunoaffinity Column AODZTF (AFT, OTA, DON, ZEN, T-2, FUM)	3mL	25 T
IAC-D401-7	Aflatoxin,Zearalenone,Fumonisin,T-2,Deoxynivalenol,Ochratoxin, SterigmatocystinMulti-toxin Immunoaffinity Column	7 mL	15 T
IAC-D502-6	Zearalenone,Aflatoxin,Fumonisin ,Deoxynivalenol,Ochratoxin Multi-toxin Immunoaffinity Column	6 mL	15 T

## PriboFast® Multifunction Cleanup Columns (MFC)

Patented design, no reflow

### General Description

- ▷ To purify one or multiple mycotoxins from complicated matrices, such as crops, finished products, feed, spices, herbal materials, etc.
- ▷ To be applicable for various mycotoxins extraction, such as Aflatoxins (AFT), Deoxynivalenol (DON), Fumonisin (FBs), Ochratoxin A (OTA), citrinin, T-2 toxin, HT-2 toxin, etc.

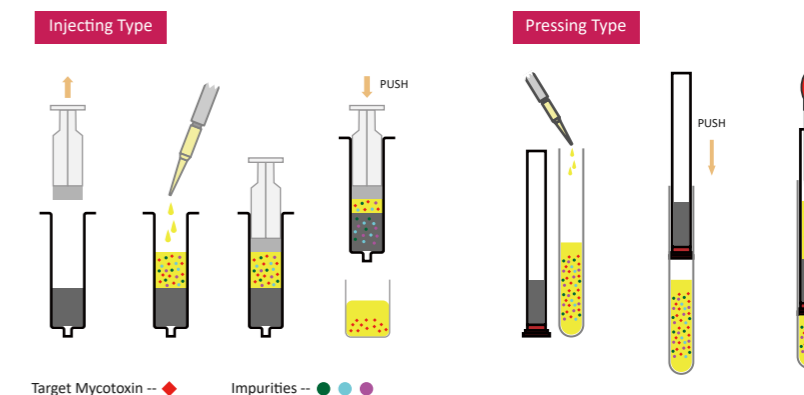


### Test Principle

The composite absorbents (such as polar groups, non-polar groups, and ion-exchange groups) have been filled into the column, and matrix impurities can be absorbed when passing through absorbents.

### Product Advantages

- ✓ One-step cleanup within 30 seconds
- ✓ Purification of multiple mycotoxins
- ✓ High stability, can be stored more than 30 months at room temperature
- ✓ High recovery rate ≥ 90%
- ✓ Multiple types and sizes



## PriboFast® Mycotoxin Multifunction Cleanup Columns

Cat. No.	Product Name	Volume	Tests
<b>Pressing Type</b>			
M1000	100 MFC Multi-toxins (for Mass Spectrum)	3 mL	25 T
M2200	220 MFC Nivalenol, Deoxynivalenol	3 mL	25 T
M2001	221 MFC Fumonisin B <sub>1</sub> , B <sub>2</sub> , B <sub>3</sub>	3 mL	25 T
M2002	222 MFC Moniliformin	3 mL	25 T
M2003	223 MFC Cyclopiazonic Acid (CPA)	3 mL	25 T
M2004	224 MFC Moniliformin	3 mL	25 T
M2005	225 MFC Type A&B Trichothecenes <sup>①</sup>	3 mL	25 T
M2006	226 MFC Aflatoxin, Zearalenone	5 mL	25 T
M2007	227 MFC Type A&B Trichothecenes <sup>①</sup>	5 mL	25 T
M2008	228 MFC Patulin, Aflatoxin	5 mL	25 T
M2009	229 MFC Ochratoxin A/B/C	3 mL	25 T
M3001	331 MFC Alternariols	3 mL	25 T
M3002	332 MFC Sterigmatocystin	3 mL	25 T
M3003	333 MFC Ergot Alkaloids	3 mL	25 T
M3004	334 MFC Citrinin	3 mL	25 T
M3005	335 MFC Bongkrekic Acid	5 mL	25 T
M3006	336 MFC Toxoflavin	5 mL	25 T
M3007	337 MFC Cytochalasin	—	25 T
M3008	338 MFC Enniatins&Beauverin	—	25 T
M3009	339 MFC Destruxin	—	25 T
M3300	330 MFC Ergot Alkaloids	3 mL	25 T
PS-100	PriboSpin™100 Spin Column (for ELISA use)	2 mL	25 T
PS-160	PriboSpin™160 Spin Column(for Chinese Medicine use)	1 mL	50 T

### Injecting Type

M2000	200 MFC Nivalenol, Deoxynivalenol	5 mL	25 T
M2100	211 MFC Fumonisin B <sub>1</sub> , B <sub>2</sub> , B <sub>3</sub>	5 mL	25 T
M2300	230 MFC Cyclopiazonic Acid	5 mL	25 T
M2400	240 MFC Moniliformin	5 mL	25 T
M2500	250 MFC T-2	5 mL	25 T
M2600	260 MFC Aflatoxin, Zearalenone	5 mL	25 T

Cat. No.	Product Name	Volume	Tests
M2700	270 MFC Type A&B Trichothecenes <sup>①</sup>	5 mL	25 T
M2800	280 MFC Aflatoxin, Patulin	5 mL	25 T
M2900	290 MFC Ochratoxin A, B, C	5 mL	25 T
M3000	300 MFC Cyclopiazonic Acid (CPA)	5 mL	25 T
M3100	310 MFC Sterigmatocystin	5 mL	25 T
M3200	320MFC Alternariols	5 mL	25 T
M3400	340 MFC Citrinin	5mL	25T
M3500	350 MFC Bongkrekic Acid	5mL	25T
M3600	360 MFC Toxoflavin	5mL	25T
M3700	370 MFC Cytochalasin	5ml	25T
M3800	380 MFC Enniatins&Beauverin	5ml	25T
M3900	390 MFC Destruxin	5ml	25T
M1600	160 MFC Aflatoxin,Zearalenone,T-2 Toxin (NY/T2071-2011 Standard)	5mL	25T

Note: ①Type A&B Trichothecenes: Neosolaniol, Diacetoxyscirpenol, T-2 Toxin, HT-2 Toxin, Deoxynivalenol, 3-Acetyl-Deoxynivalenol, 15-Acetyl-Deoxynivalenol, Fusarenon-X.

## PriboMIP™ Molecularly Imprinted Polymer Columns (MIP)

### Application

- ▷ To purify and concentrate mycotoxins from complicated matrices, such as crops, finished products, feed, spices, herbal materials, etc.
- ▷ To be applicable for various mycotoxins extraction, such as Patulin, citrinin, Aflatoxins (AFT), Deoxynivalenol (DON), Fumonisin (FBs), Ochratoxin A (OTA), T-2 toxin, etc.

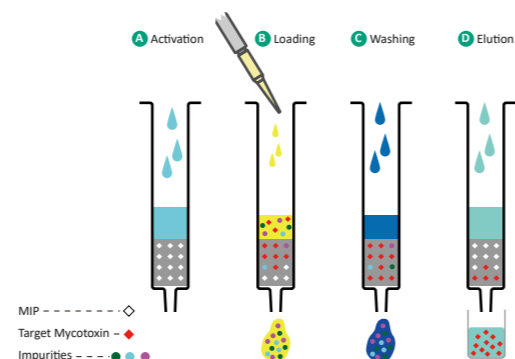
### Test Principle

Based on molecular imprinting technology, its specific recognizing ability toward target molecules, the mycotoxin molecules can be extracted from complicated matrix samples. The purified mycotoxins will be ready for HPLC detection.



### Product Advantages

- ✓ Target extraction with high specificity using MIP technology
- ✓ Especially suitable for Patulin extraction
- ✓ Easy and quick operation
- ✓ Storage at room temperature for 24 months
- ✓ Compliant with the regulation of the European Commission (EC) 1881/2006



### PriboMIP™ Mycotoxin Molecularly Imprinted Polymer Columns

Cat. No.	Product Name	Volume	Tests
MIP-010-3	Aflatoxin Column	3 mL	25/50 T
MIP-020-3	Zearalenone Column	3 mL	25/50 T
MIP-030-3	Deoxynivalenol Column	3 mL	25/50 T
MIP-040-3	Ochratoxin Column	3 mL	25/50 T
MIP-050-3	Fumonisin Column	3 mL	25/50 T
MIP-060-3	T-2 Toxin Column	3 mL	25/50 T
MIP-070-3	Citrinin Column	3 mL	25/50 T
MIP-080-3	Patulin Column	3 mL	25/50 T
MIP-110-6	Benzo[a]pyrene Column	6mL	25T
MIP-210-6	Sudan MIP Column	6mL	30T
MIP-400-3	Multi-toxins Column AOZDFT (AFT, OTA, ZEN, DON, FUM, T-2 Toxin)	3 mL	10/25 T

### Reference Materials

### Pribolab® Solid and Liquid Standards

#### Application

Pribolab provides solid and liquid standards for more than 100 kinds of mycotoxins to fully meet the customers needs with different detection methods (HPLC/GC/TLC). Meanwhile, we provide customized services according to your requirement. We guarantee that each batch of products undergoes multiple verification methods (HPLC, LC-MS/MS) to ensure the quality and purity of the certified products provided. Each product is accompanied by the Certificate of Analysis (CoA), indicating the certified value of the mycotoxin standard, its traceability and uncertainty.



### Product Advantages

- ✓ High quality and purity
- ✓ Available for customer customization
- ✓ Quality assurance through multiple verification methods
- ✓ To provide liquid standard mixture and dried down standards

### Pribolab® Solid Standards General Specifications: 1/5/10 mg. All standards can be customized according to client needs.

Cat. No.	Product Name	CAS No.	Cat. No.	Product Name	CAS No.
MSS1001	3-Acetyl-Deoxynivalenol	50722-38-8	MSS1028	15-Acetoxyeirpenol	2623-22-5
MSS1002	15-O-Acetyl-4-deoxynivalenol	88337-96-6	MSS1030	Alternariol	641-38-3
MSS1003	Aflatoxin B1	1162-65-8	MSS1031	Alternariol Monomethyl Ether	26894-49-5
MSS1004	Aflatoxin B2	7220-81-7	MSS1032	Tenuazonic Acid	610-88-8
MSS1005	Aflatoxin G1	1165-39-5	MSS1033	Beauvericin	26048-05-5
MSS1006	Aflatoxin G2	7241-98-7	MSS1034	Fumagillin	23110-15-8
MSS1007	Aflatoxin M1	6795-23-9	MSS1035	Penicillic Acid	90-65-3
MSS1008	Aflatoxin M2	6885-57-0	MSS1036	Penitrem A	12627-35-9
MSS1009	Citrinin	518-75-2	MSS1037	Verrucologen	12771-72-1
MSS1010	Cyclopiazonic acid	18172-33-3	MSS1038	Tentoxin	28540-82-1
MSS1011	Deoxynivalenol/Vomitoxin	51481-10-8	MSS1039	Wortmannin	19545-26-7
MSS1012	Diacetoxyeirpenol	2270-40-8	MSS1040	Mycophenolic Acid	24280-93-1
MSS1013	Fumonisin B1	116355-83-0	MSS1041	Citreoviridin	25425-12-1
MSS1014	Fumonisin B2	116355-84-1	MSS1042	Aflatoxicol	29611-03-8
MSS1015	Fusarenon-X	23255-69-8	MSS1043	Altenuene	889101-41-1
MSS1016	HT-2 Toxin	26934-87-2	MSS1044	Ochratoxin B	4825-86-9
MSS1017	Moniliformin	71376-34-6	MSS1045	Ochratoxin C	4865-85-4
MSS1018	Neosolaniol	36519-25-2	MSS1046	Fumonisin B3	136379-59-4
MSS1019	Nivalenol	23282-20-4	MSS1047	Enniatin B	917-13-5
MSS1020	Ochratoxin A	303-47-9	MSS1048	Ergocristine	511-08-0
MSS1021	Patulin	149-29-1	MSS1049	Ergotamine	113-15-5
MSS1022	Sterigmatocystin	10048-13-2	MSS1050	Ergometrine	60-79-7
MSS1023	T-2 Toxin	21259-20-1	MSS1051	Ergotaminine	639-81-6
MSS1024	Zearalenone	17924-92-4	MSS1052	Altenusin	31186-12-6
MSS1025	Gliotoxin	67-99-2	MSS1053	Enniatin Complex	11113-62-5
MSS1026	T-2 Toxin Triol	34114-98-2	MSS1054	Enniatin A	2503-13-1
MSS1027	T-2 Toxin Tetraol	34114-99-3	MSS1055	Enniatin A1	4530-21-6

## Pribolab® Solid Standards

General Specifications: 1/5/10 mg. All standards can be customized according to client needs.

Cat. No.	Product Name	CAS No.	Cat. No.	Product Name	CAS No.
MSS1056	Enniatin B <sub>1</sub>	19914-20-6	MSS1089	Deoxynivalenol-3-Glucuronide	1000000-13-4
MSS1057	3-Epi-Ochratoxin A	189152-21-4	MSS1090	Cytochalasin A	————
MSS1058	3-Epi-Ochratoxin B	————	MSS1091	Cytochalasin B	————
MSS1059	3-Epi-Ochratoxin C	————	MSS1092	Cytochalasin C	————
MSS1060	Ochratoxin $\alpha$	19165-63-0	MSS1093	Cytochalasin D	————
MSS1061	Fusaric Acid	536-69-6	MSS1094	Cytochalasin E	————
MSS1063	Aflatoxin P <sub>1</sub>	32215-02-4	MSS1095	Cyclochlorotine	12663-46-6
MSS1064	Aflatoxin P <sub>2</sub>	891197-67-4	MSS1096	Islanditoxin	10089-09-5
MSS1065	Aflatoxin Q <sub>1</sub>	52819-96-2	MSS1097	Luteoskyrin	21884-44-6
MSS1066	Aflatoxin Q <sub>2a</sub>	89989-32-2	MSS1098	Erythrokyrin	4987-27-3
MSS1067	Hydrolyzed Fumonisin B <sub>1</sub>	————	MSS1099	Dihydroergotoxine Mesylate	24730-10-7
MSS1068	Hydrolyzed Fumonisin B <sub>2</sub>	————	MSS2000	zearalenone-4-O- $\beta$ -D-glucopyranoside	105088-14-0
MSS1069	Destruxin A	6686-70-0	MSS2001	$\alpha$ -Zearalenol	36455-72-8
MSS1070	Destruxin B	2503-26-6	MSS2002	$\beta$ -Zearalenol	71030-11-0
MSS1071	Destruxin C	27482-49-1	MSS2003	Zearalanone	5975-78-0
MSS1072	Destruxin D	27482-50-4	MSS2004	$\alpha$ -Zeranol	26538-44-3
MSS1073	Desmethyl-destruxin B	27482-48-0	MSS2005	$\beta$ -Zeranol	42422-68-4
MSS1074	Altoxin I	56258-32-3	MSS2006	Pyocyanin	85-66-5
MSS1075	Altoxin II	56257-59-1	MSS2007	Cercosporin	35082-49-6
MSS1076	Altoxin III	10557-74-6	MSS2008	Ophiobolin A	4611-5-6
MSS1077	Altoxin V	————	MSS2009	Manumycin A	52665-74-4
MSS1078	Aflatoxin R <sub>0</sub>	29611-03-8	MSS2010	Phomopsin A	64925-80-0
MSS1079	Fumitremorgin A	12626-18-5	MSS2011	Dihydrocytochalasin B	————
MSS1080	Fumitremorgin B	12626-17-4	MSS2012	Chaetocin	28097-03-2
MSS1081	Fumitremorgin C	118974-02-0	MSS2013	Ibotenic Acid	2552-55-8
MSS1082	AAL Toxin TA <sub>1</sub>	79367-52-5	MSS2014	Helvolic Acid	29400-42-8
MSS1083	Toxoflavin	84-82-2	MSS2015	Rubratoxin B	21794-01-4
MSS1084	Bongkreic Acid	11076-19-0	MSS2016	Roquefortine C	58735-64-1
MSS1085	$\alpha$ -Zearalenol-4-O- $\beta$ -D-glucopyranoside	————	MSS2017	3-Phenyltoxoflavin	32502-63-9
MSS1086	$\beta$ -Zearalenol-4-O- $\beta$ -D-glucopyranoside	————	MSS2018	Ansatrienin B (Mycotrienin II)	82189-04-6
MSS1087	HC Toxin	83209-65-8	MSS2019	Kojic Acid	501-30-4
MSS1088	Deoxynivalenol-3-Glucoside	131180-21-7	MSS2020	Paxilline	57186-25-1

General Specifications: 1/5/10 mg. All standards can be customized according to client needs.

Cat. No.	Product Name	CAS No.	Cat. No.	Product Name	CAS No.
MSS2022	Margatoxin	145808-47-5	MSS2039	Satratoxin-H	53126-64-0
MSS2023	Naspm trihydrochloride	1049731-36-3	MSS2040	14-Decarboxy-OTA	————
MSS2024	Naspm (Synonyms: 1-Naphthylacetyl spermine)	122306-11-0	MSS2041	3-Nitropropionic Acid	504-88-1
MSS2025	$\beta$ -Amanitin	21150-22-1	MSS2042	Zearalenone 4-Sulfate Ammonium Salt	1439328-85-4
MSS2026	Phalloidin	17466-45-4	MSS2043	Patulin Methyl Ether	123251-09-2
MSS2027	Phallacidin	26645-35-2	MSS2045	Alternariol monomethyl ether -3-glucoside AME-3-G	1422465-59-5
MSS2028	curvularin	10140-70-2	MSS2046	Alternariol-9-O-methyl ether -3-sulfate AME-3S	1488351-25-2
MSS2029	Mycophenolate Mofetil	115007-34-6	MSS2047	3-O- $\beta$ -D-Glucopyranosyl Alternario AOH-3G	1642128-76-4
MSS2030	1-Deoxynojirimycin	19130-96-2	MSS2049	Zearalenone /Synthetic	17924-92-4
MSS2031	Melamine	108-78-1	MSS2050	Zearalanone/Synthetic	5975-78-0
MSS2032	Cyclosporin A	59865-13-3	MSS2051	$\beta$ -Zearalenol/Synthetic	71030-11-0
MSS2033	Isobongkreic Acid	60132-21-0	MSS2052	Deoxynivalenol-15-Glucoside	————
MSS2034	Tenuazonic Acid Copper Salt	76569-74-9	MSS2053	Deoxynivalenol-15-Glucuronide	1372859-16-9
MSS2035	$\beta$ -Ochratoxin	————	mss2054	Puberulic acid	99-23-0
MSS2036	Lysergol	602-85-7	MSS5001	Bisphenol A	80-05-7
MSS2037	Mycotoxin fermentation broth	————	MSS5002	Nonylphenol	25154-52-3
MSS2038	Oosporein	475-57-7	MSS5003	Bisphenol S	80-09-1

## Pribolab® Liquid Standards

General Specifications: 1.2/5/10 mL. All standards can be customized according to client needs.

Cat. No.	Product Name
GBW (E) 100728	Aflatoxin B <sub>1</sub> (25 $\mu$ g/mL) in Acetonitrile
GBW (E) 100727	Ochratoxin A (50 $\mu$ g/mL) in Acetonitrile
STD#0001	Benzo [a] pyrene in Acetonitrile
STD#1041	Aflatoxin B <sub>1</sub> (25 $\mu$ g/mL) in Acetonitrile
STD#1042	Aflatoxin B <sub>1</sub> (100 $\mu$ g/mL) in Acetonitrile
STD#1047	Aflatoxin B <sub>1</sub> (10 $\mu$ g/mL) in Acetonitrile
STD#1051	Aflatoxin B <sub>2</sub> (25 $\mu$ g/mL) in Acetonitrile
STD#1052	Aflatoxin B <sub>2</sub> (100 $\mu$ g/mL) in Acetonitrile
STD#1054	Aflatoxin B <sub>2</sub> (10 $\mu$ g/mL) in Acetonitrile
STD#1061	Aflatoxin G <sub>1</sub> (25 $\mu$ g/mL) in Acetonitrile
STD#1062	Aflatoxin G <sub>1</sub> (100 $\mu$ g/mL) in Acetonitrile

## Pribolab® Liquid Standards

General Specifications: 1.2/5/10 mL. All standards can be customized according to client needs.

Cat. No.	Product Name
STD#1063	Aflatoxin G <sub>1</sub> (10 µg/mL) in Acetonitrile
STD#1067	Destruxin A (10 µg/mL) in Acetonitrile
STD#1068	Destruxin B (10 µg/mL) in Acetonitrile
STD#1071	Aflatoxin G <sub>2</sub> (25 µg/mL) in Acetonitrile
STD#1072	Aflatoxin G <sub>2</sub> (100 µg/mL) in Acetonitrile
STD#1073	Aflatoxin G <sub>2</sub> (10 µg/mL) in Acetonitrile
STD#1081	Aflatoxin B <sub>1</sub> , G <sub>1</sub> (2 µg/mL), Aflatoxin B <sub>2</sub> , G <sub>2</sub> (0.5 µg/mL) in Acetonitrile
STD#1082	Aflatoxin B <sub>1</sub> , G <sub>1</sub> (1 µg/mL), Aflatoxin B <sub>2</sub> , G <sub>2</sub> (0.3 µg/mL) in Acetonitrile
STD#1083	Aflatoxin B <sub>1</sub> , G <sub>1</sub> (2 µg/mL), Aflatoxin B <sub>2</sub> , G <sub>2</sub> , M <sub>1</sub> , M <sub>2</sub> (0.5 µg/mL) in Acetonitrile
STD#1084	Aflatoxin B <sub>1</sub> , G <sub>1</sub> , B <sub>2</sub> , G <sub>2</sub> (25 µg/mL) in Acetonitrile
STD#1085	Aflatoxin B <sub>1</sub> , G <sub>1</sub> , B <sub>2</sub> , G <sub>2</sub> (100 µg/mL) in Acetonitrile
STD#1088	Aflatoxin B <sub>1</sub> , G <sub>1</sub> , B <sub>2</sub> , G <sub>2</sub> (1 µg/mL) in Acetonitrile
STD#1091	Aflatoxin M <sub>1</sub> (0.5 µg/mL) in Acetonitrile
STD#1092	Aflatoxin M <sub>1</sub> (10 µg/mL) in Acetonitrile
STD#1094	Aflatoxin M <sub>1</sub> (100 µg/mL) in Acetonitrile
STD#1101	Aflatoxin M <sub>2</sub> (0.5 µg/mL) in Acetonitrile
STD#1102	Aflatoxin M <sub>2</sub> (10 µg/mL) in Acetonitrile
STD#1103	Aflatoxin M <sub>1</sub> , M <sub>2</sub> (10 µg/mL) in Acetonitrile
STD#1104	Aflatoxin M <sub>2</sub> (100 µg/mL) in Acetonitrile
STD#1110	Aflatoxicol (10 µg/mL) in Acetonitrile
STD#2011	Fumonisin B <sub>1</sub> , B <sub>2</sub> (50 µg/mL) in Acetonitrile/Water
STD#2012	Fumonisin B <sub>1</sub> , B <sub>2</sub> , B <sub>3</sub> (50 µg/mL) in Acetonitrile/Water
STD#2013	Fumonisin B <sub>1</sub> , B <sub>2</sub> (200 µg/mL) in Acetonitrile/Water
STD#2015	Fumonisin B <sub>1</sub> , B <sub>2</sub> (100 µg/mL) in Acetonitrile/Water
STD#2016	Fumonisin: 5 µg/mL Fumonisin B <sub>1</sub> , 5 µg/mL Fumonisin B <sub>2</sub> in acetonitrile/water
STD#2021	Fumonisin A <sub>1</sub> (10 µg/mL) in 50% Acetonitrile
STD#2031	Fumonisin B <sub>1</sub> (50 µg/mL) in Acetonitrile/Water
STD#2032	Fumonisin B <sub>1</sub> (100 µg/mL) in Acetonitrile/Water
STD#2035	Fumonisin B <sub>1</sub> (20 µg/mL) in Acetonitrile/Water
STD#2041	Fumonisin B <sub>2</sub> (50 µg/mL) in Acetonitrile/Water
STD#2042	Fumonisin B <sub>2</sub> (100 µg/mL) in Acetonitrile/Water
STD#2045	Fumonisin B <sub>1</sub> (20 µg/mL) in Acetonitrile/Water

General Specifications: 1.2/5/10 mL. All standards can be customized according to client needs.

Cat. No.	Product Name
STD#2051	Fumonisin B <sub>3</sub> (50 µg/mL) in Acetonitrile/Water
STD#2052	Fumonisin B <sub>3</sub> (100 µg/mL) in Acetonitrile/Water
STD#2061	Hydrolyzed Fumonisin B <sub>1</sub> (25 µg/mL) in Acetonitrile/Water
STD#2071	Hydrolyzed Fumonisin B <sub>2</sub> (25 µg/mL) in Acetonitrile/Water
STD#3020	Deoxynivalenol (20 µg/mL) in Acetonitrile
STD#3022	Deoxynivalenol, 3-Acetyl Deoxynivalenol, 15-Acetyl Deoxynivalenol (100 µg/mL) in Acetonitrile
STD#3025	100 µg/mL 3--keto-4-Deoxynivalenol) in Acetonitrile
STD#3026	100 µg/mL 3-epi-DON (3-epi-Deoxynivalenol)
STD#3071	Type A&B Trichothecenes <sup>①</sup> (100 µg/mL) in Acetonitrile
STD#3081	Type A Trichothecenes <sup>②</sup> (10 µg/mL) in Acetonitrile
STD#3088	Aflatoxin B <sub>1</sub> , G <sub>1</sub> , B <sub>2</sub> , G <sub>2</sub> , Zearalenone, T-2 Toxin (10 µg/mL) in Methanol
STD#3091	Type B Trichothecenes <sup>③</sup> (10 µg/mL) in Acetonitrile
STD#3101	Deoxynivalenol (50 µg/mL) in Acetonitrile
STD#3102	Deoxynivalenol (100 µg/mL) in Acetonitrile
STD#3103	3-Acetyl Deoxynivalenol (100 µg/mL) in Acetonitrile
STD#3104	15-Acetyl Deoxynivalenol (100 µg/mL) in Acetonitrile
STD#3105	Deoxynivalenol-3-Glucoside(3-G-DON) (50 µg/mL) in Acetonitrile
STD#3106	Deoxynivalenol-15-Glucoside(15-G-DON) (25 µg/mL) in Acetonitrile
STD#3107	Deoxynivalenol-3-Glucuronide (25 µg/mL) in Acetonitrile
STD#3108	Deoxynivalenol-15-Glucuronide (25 µg/mL) in Methanol
STD#3110	Deoxynivalenol, Nivalenol, 3-Acetyl Deoxynivalenol, 15-Acetyl Deoxynivalenol (100 µg/mL) in Acetonitrile
STD#3111	T-2 Toxin (100 µg/mL) in Acetonitrile
STD#3112	T-2 Triol (100 µg/mL) in Acetonitrile
STD#3113	T-2 Tetraol (100 µg/mL) in Acetonitrile
STD#3114	T-2 Triol (50 µg/mL) in Acetonitrile
STD#3115	T-2 Tetraol (50 µg/mL) in Acetonitrile
STD#3120	T-2 Toxin (20 µg/mL) in Acetonitrile
STD#3121	HT-2 Toxin (100 µg/mL) in Acetonitrile
STD#3131	Nivalenol (100 µg/mL) in Acetonitrile
STD#3141	Fusarenon-X (100 µg/mL) in Acetonitrile
STD#3151	Deepoxy-deoxynivalenol (50 µg/mL) in Acetonitrile
STD#3161	Diacetoxyscirpenol (100 µg/mL) in Acetonitrile

## Pribolab® Liquid Standards General Specifications: 1.2/5/10 mL. All standards can be customized according to client needs.

Cat. No.	Product Name
STD#3162	15-Acetoxy-scirpenol (50 µg/mL) in Acetonitrile
STD#3171	Neosolaniol (100 µg/mL) in Acetonitrile
STD#3181	Moniliformin (100 µg/mL) in Acetonitrile
STD#3190	Mycophenolic acid (100 µg/mL) in Acetonitrile
STD#3192	Secolonic Acid D (50 µg/mL) in Trichloromethane
STD#3193	Mycophenolic acid-β-D-glucuronide(1000 µg/mL) in Acetonitrile
STD#3211	Enniatin A (100 µg/mL) in Acetonitrile
STD#3212	Enniatin A <sub>1</sub> (100 µg/mL) in Acetonitrile
STD#3213	Enniatin B (100 µg/mL) in Acetonitrile
STD#3214	Enniatin B <sub>1</sub> (100 µg/mL) in Acetonitrile
STD#3219	Enniatins mix (10 µg/mL) in Acetonitrile
STD#3301	3-β-Nitropropionic acid (100 µg/mL) in Water
STD#4011	Zearalenone (25 µg/mL) in Acetonitrile
STD#4012	Zearalenone (100 µg/mL) in Acetonitrile
STD#4018	Zearalenone, α-Zearalenol, β-Zearalenol, Zearalanone, α-Zeranol, β-Zeranol (10 µg/mL) in Acetonitrile
STD#4023	α-Zearalenol (100 µg/mL) in Acetonitrile
STD#4024	β-Zearalenol (100 µg/mL) in Acetonitrile
STD#4025	Zearalanone (100 µg/mL) in Acetonitrile
STD#4026	α-Zeranol (100 µg/mL) in Acetonitrile
STD#4027	β-Zeranol (100 µg/mL) in Acetonitrile
STD#4029	Zearalenone-4-O-beta-D-glucopyranoside (10 µg/mL) in Acetonitrile
STD#4030	α-Zearalenol-4-glucoside(10 µg/mL)/ in Acetonitrile
STD#4031	β-Zearalenol-4-glucoside(10 µg/mL)/ in Acetonitrile
STD#4111	Beauvericin (100 µg/mL) in Acetonitrile
STD#5011	Ochratoxin A (10 µg/mL) in Methanol
STD#5012	Ochratoxin A (100 µg/mL) in Methanol
STD#5013	Ochratoxin A (100 µg/mL) in Acetonitrile
STD#5021	Ochratoxin B (10 µg/mL) in Acetonitrile
STD#5052	Ochratoxin-β (10 µg/mL) in Methanol
STD#5031	Ochratoxin C (10 µg/mL) in Acetonitrile
STD#5041	Ochratoxin A,B,C (10 µg/mL) in Acetonitrile
STD#5051	Ochratoxin-α (10 µg/mL) in Acetonitrile

General Specifications: 1.2/5/10 mL. All standards can be customized according to client needs.

Cat. No.	Product Name
STD#5061	14-decarboxy-OTA (10 µg/mL) in Acetonitrile
STD#6011	Patulin (25 µg/mL) in Acetonitrile
STD#6012	Patulin (100 µg/mL) in Acetonitrile
STD#6014	Patulin Methyl Ether (10 µg/mL) in Methanol
STD#6020	Roquefortine C (25 µg/mL) in Acetonitrile
STD#6030	Fumitremorgin C (100 µg/mL) in Acetonitrile
STD#6041	Pubemlic acid (100 µg/mL) in Acetonitrile
STD#6042	Puberulic acid (10 µg/mL) in Methanol
STD#7010	Ergot Alkaloids <sup>®</sup> (100 µg/mL) in Methanol
STD#7011	Ergocornine (100 µg/mL) in Methanol
STD#7012	Ergocristine (100 µg/mL) in Methanol
STD#7013	Ergocryptine (100 µg/mL) in Methanol
STD#7014	Ergometrine (100 µg/mL) in Methanol
STD#7015	Ergosine (100 µg/mL) in Methanol
STD#7016	Ergotamine (100 µg/mL) in Methanol
STD#7017	Agroclavine (100 µg/mL) in Methanol
STD#7018	Ergocorninine (25 µg/mL) in Methanol
STD#7019	Ergocristinine (25 µg/mL) in Methanol
STD#7020	Ergocryptinine (25 µg/mL) in Methanol
STD#7021	Ergotaminine (25 µg/mL) in Methanol
STD#7022	Dihydroergocristine (100 µg/mL) in Methanol
STD#7023	Ergosinine (25 µg/mL) in Methanol
STD#7024	Ergometrinine (25 µg/mL) in Methanol
STD#7025	Ergosterol (100 µg/mL) / dry down
STD#7026	Ergotamine (100 µg/mL) /dried down
STD#7050	Alternariol (100 µg/mL) in Methanol
STD#7051	Alternariol monomethyl Ether (100 µg/mL) in Methanol
STD#7052	Tentoxin (100 µg/mL) in Methanol
STD#7053	Tenuazonic Acid (100 µg/mL) in Methanol
STD#7054	Altenuene (100 µg/mL) in Methanol
STD#7055	Altenusin (100 µg/mL) / in Methanol
STD#7056	Alternaria Toxins <sup>®</sup> (100 µg/mL) in Methanol

## Pribolab® Liquid Standards

General Specifications: 1.2/5/10 mL. All standards can be customized according to client needs.

Cat. No.	Product Name
STD#7057	Altertoxin I (10 µg/mL) in Acetonitrile
STD#7058	Alternaria Toxins Mix 2 <sup>®</sup> (10 µg/mL) in Methanol
STD#7061	Alternaria Toxins Mix in Methanol; TeA(5ppm); AOH(2ppm); TEN(1ppm); AME(0.2ppm)
STD#7067	Ergometrine Maleate (100 µg/mL) / dry down
STD#7068	Alternariol-9-O-methyl ether-3-sulfate (100 µg/mL) in Methanol
STD#7069	3-O-β-D-Glucopyranosyl Alternario(100 µg/mL) in Methanol
STD#7071	100µg/ml 3-O-β-D glucopyranosyl(1 → 6)-β-D-glucopyranosyl)AME (AME-3DG) /in Methanol
STD#7073	Alternariol-9-O-methyl ether -3-glucoside AME-3-G(100 µg/mL) in Methanol
STD#7075	Alternaria Toxins Mix in Methanol;(AOH、AME、TEN、TeA、ALT、ATX-I)-25ppm
STD#7080	9-O-D-Glucopyranosyl Alternariol (10 µg/mL) in Methanol
STD#8021	Cyclopiazonic Acid (10 µg/mL) in Acetonitrile
STD#8022	Cyclopiazonic Acid (100 µg/mL) in Acetonitrile
STD#8023	Sterigmatocystin (50 µg/mL) in Acetonitrile
STD#8024	Sterigmatocystin (100 µg/mL) in Acetonitrile
STD#8025	Cyclopiazonic Acid (25 µg/mL) in Acetonitrile
STD#8051	Bongkrelic Acid(100 µg/mL) in Acetonitrile
STD#8052	Toxoflavin(100 µg/mL) in Methanol
STD#8053	Bongkrelic Acid(1000 µg/mL) in Acetonitrile (0.1%,Ammonia)
STD#8054	Isobongkrelic Acid(500 µg/mL) in Acetonitrile (0.1%,Ammonia)
STD#8055	Isobongkrelic Acid(100 µg/mL) in Acetonitrile (0.1%,Ammonia)
STD#9001	Ibotenic Acid(10 µg/mL)in water
STD#9011	10 µg/mL α-Amanitin、γ-Amanitin、β-Amanitin、Phalloidin、Phallacidin in Methanol
STD#9041	Citrinin (5 µg/mL) in Methanol
STD#9042	Citrinin (100 µg/mL) in Methanol
STD#9050	Citreoviridin(25 µg/mL) / dry down
STD#9051	Citreoviridin(100 µg/mL) /dried down
STD#9100	Ibotenic Acid(10 µg/mL)in water
STD#9101	α-Amanitin(10 µg/mL)in water
STD#9102	γ-Amanitin (10 µg/mL)in water
STD#9103	Phallacidin (10 µg/mL)in water
STD#9104	Kojic acid (100 µg/mL) / dry down
STD#9105	Phalloidin (10 µg/mL)in water

General Specifications: 1.2/5/10 mL. All standards can be customized according to client needs.

Cat. No.	Product Name
STD#9106	β-Amanitin (10 µg/mL)in water
STD#9107	Verruculogen (100 µg/mL) in Acetonitrile
STD#9108	phallisacin (10 µg/mL)in water
STD#9109	Kojic acid (100 µg/m) in Acetonitrile
STD#9110	Penicillic acid (100 µg/m)/in Acetonitrile
STD#9111	Fumagillin (100 µg/m)/in Acetonitrile
STD#9112	Helvolic acid (100 µg/m)/in Acetonitrile
STD#9201	Melamine(100 µg/mL) in Water
STD#9203	Melamine(100 µg/mL) in 50% Methanol
STD#9211	Cyclosporin A(100 µg/mL) in Acetonitrile
STD#9220	5-Hydroxytryptamine (10 µg/mL)in Methanol
STD#9221	Ibotenic acid (10 µg/mL)in water
STD#9222	Muscimol (10 µg/mL)in water
STD#9223	Bufotenine (10 µg/mL)in water
STD#9230	Zearalenone 4-Sulfate Ammonium Salt (10 µg/mL)in Methanol

Note: ①Type A&amp;B Trichothecenes: Neosolaniol,Diactoxyscirpenol,T-2 Toxin,HT-2 Toxin,Deoxynivalenol,3-Acetyl-Deoxynivalenol,15-Acetyl-Deoxynivalenol,Fusarenon-X;

②Type A Trichothecenes: Neosolaniol,Diactoxyscirpenol,T-2 Toxin,HT-2 Toxin;

③Type B Trichothecenes: Deoxynivalenol,Nivalenol,3-Acetyl-Deoxynivalenol,15-Acetyl-Deoxynivalenol,Fusarenon-X;

④Ergot Alkaloids: Ergocornine,Ergocristine,Ergocryptine,Ergometrine,Ergosine,Ergotamine;

⑤Alternaria Toxins: Alternariol,Alternariol Methyl Ether,Tentoxin,Tenuazonic Acid;

⑥Alternaria Toxins Mix 2: Alternariol, Alternariol monomethyl Ether, Tentoxin, Tenuazonic Acid, Altenuene, Altertoxin I.

## Pribolab® 13C Stable Isotope Labeled Internal Standards

### Application

Pribolab has unique mature synthetic biology patented technology and triple purification process to produce <sup>13</sup>C stable isotope labeled internal standards. Our products are stable, fully <sup>13</sup>C isotope labeled versions of the target analyte. Considering that quantitative analytical methods (such as LC-MS, or UPLC-MS/MS) for mycotoxin testing is limited by matrix effect, <sup>13</sup>C stable isotope labeled internal standards are the best reference materials to correct for matrix effects and improve the accuracy and the precision.



## Product Advantages

- ✓ Fully <sup>13</sup>C stable isotope labeled
- ✓ Reduce or eliminate matrix effects and errors
- ✓ Improve accuracy and precision efficiently
- ✓ High isotopic purity and chemical stability
- ✓ Simultaneous detection of multiple mycotoxins, higher efficiency
- ✓ Mixed standards and multi-specification standards customization (general specifications: 0.5/1 mL)

## Pribolab® <sup>13</sup>C Stable Isotope Labeled Internal Standards

General Specifications: 1.2/2/5 mL. All standards can be customized according to client needs.

Cat. No.	Product Name
STD#1041U	U-[ <sup>13</sup> C <sub>17</sub> ]-Aflatoxin B <sub>1</sub> -0.5 µg/mL-Acetonitrile
STD#1042U	U-[ <sup>13</sup> C <sub>17</sub> ]-Aflatoxin B <sub>1</sub> -1 µg/mL-Acetonitrile
STD#1051U	U-[ <sup>13</sup> C <sub>17</sub> ]-Aflatoxin B <sub>2</sub> -0.5 µg/mL-Acetonitrile
STD#1052U	U-[ <sup>13</sup> C <sub>17</sub> ]-Aflatoxin B <sub>2</sub> -1 µg/mL-Acetonitrile
STD#1061U	U-[ <sup>13</sup> C <sub>17</sub> ]-Aflatoxin G <sub>1</sub> -0.5 µg/mL-Acetonitrile
STD#1062U	U-[ <sup>13</sup> C <sub>17</sub> ]-Aflatoxin G <sub>1</sub> -1 µg/mL-Acetonitrile
STD#1071U	U-[ <sup>13</sup> C <sub>17</sub> ]-Aflatoxin G <sub>2</sub> -0.5 µg/mL-Acetonitrile
STD#1072U	U-[ <sup>13</sup> C <sub>17</sub> ]-Aflatoxin G <sub>2</sub> -1 µg/mL-Acetonitrile
STD#1080U	U-[ <sup>13</sup> C <sub>17</sub> ]-Aflatoxins B <sub>1</sub> , B <sub>2</sub> , G <sub>1</sub> , G <sub>2</sub> -0.5 µg/mL-Acetonitrile
STD#1081U	U-[ <sup>13</sup> C <sub>17</sub> ]-Aflatoxins Mix*-1 µg/mL-Acetonitrile
STD#1182U	<sup>13</sup> C Aflatoxins: 0.1µg/mL <sup>13</sup> C <sub>17</sub> Aflatoxin B <sub>1</sub> , 0.1µg/mL <sup>13</sup> C <sub>17</sub> Aflatoxin B <sub>2</sub> , 0.1µg/mL <sup>13</sup> C <sub>17</sub> Aflatoxin G <sub>1</sub> , 0.1µg/mL, <sup>13</sup> C <sub>17</sub> Aflatoxin G <sub>2</sub> in acetonitrile
STD#1091U	U-[ <sup>13</sup> C <sub>17</sub> ]-Aflatoxin M <sub>1</sub> -0.5 µg/mL-Acetonitrile
STD#1092U	U-[ <sup>13</sup> C <sub>17</sub> ]-Aflatoxin M <sub>1</sub> -1.0 µg/mL-Acetonitrile
STD#1101U	U-[ <sup>13</sup> C <sub>17</sub> ]-Aflatoxin M <sub>2</sub> -0.5 µg/mL-Acetonitrile
STD#1200U	U-[ <sup>13</sup> C <sub>28</sub> ]-Bongkrekic acid-10 µg/mL-Methanol
STD#1201U	U-[ <sup>13</sup> C <sub>28</sub> ]-Bongkrekic acid-5 µg/mL-Methanol
STD#1202U	U-[ <sup>13</sup> C <sub>28</sub> ]-Bongkrekic acid-10 µg/mL-Methanol
STD#2011U	U-[ <sup>13</sup> C <sub>34</sub> ]-Fumonisin B <sub>1</sub> , B <sub>2</sub> -5 µg/mL-Acetonitrile/Water
STD#2012U	U-[ <sup>13</sup> C <sub>34</sub> ]-Fumonisin B <sub>1</sub> , B <sub>2</sub> , B <sub>3</sub> -5 µg/mL-Acetonitrile/Water
STD#2030U	U-[ <sup>13</sup> C <sub>34</sub> ]-Fumonisin B <sub>1</sub> -25 µg/mL-Acetonitrile/Water
STD#2040U	U-[ <sup>13</sup> C <sub>34</sub> ]-Fumonisin B <sub>1</sub> -10 µg/mL-Acetonitrile/Water
STD#2050U	U-[ <sup>13</sup> C <sub>34</sub> ]-Fumonisin B <sub>1</sub> -10 µg/mL-Acetonitrile/Water
STD#2061U	U-[ <sup>13</sup> C <sub>22</sub> ]-Hydrolyzed Fumonisin B <sub>1</sub> -10 µg/mL-Acetonitrile/Water
STD#2070U	U-[ <sup>13</sup> C <sub>30</sub> ]-Destruxin B-10 µg/mL -Acetonitrile/Water
STD#2071U	U-[ <sup>13</sup> C <sub>29</sub> ]-Destruxin A-10 µg/mL -Acetonitrile/Water

General Specifications: 1.2/2/5 mL. All standards can be customized according to client needs.

Cat. No.	Product Name
STD#2072U	U-[ <sup>13</sup> C <sub>30</sub> ]-Destruxin C-10 µg/mL -Acetonitrile/Water
STD#2073U	U-[ <sup>13</sup> C <sub>30</sub> ]-Destruxin D-10 µg/mL -Acetonitrile/Water
STD#3021U	U-[ <sup>13</sup> C <sub>15</sub> ]-Deoxynivalenol-U-[ <sup>13</sup> C <sub>17</sub> ]-3-Acetyl-Deoxynivalenol- U-[ <sup>13</sup> C <sub>17</sub> ]-15-Acetyl-Deoxynivalenol-25 µg/mL -Acetonitrile
STD#3022U	U-[ <sup>13</sup> C <sub>15</sub> ]-Deoxynivalenol、 U-[ <sup>13</sup> C <sub>17</sub> ]-3-Acetyl-Deoxynivalenol、 U-[ <sup>13</sup> C <sub>17</sub> ]-15-Acetyl-Deoxynivalenol-10µg/mL -Acetonitrile
STD#3023U	U-[ <sup>13</sup> C <sub>17</sub> ]-Fusarenon-X-10 µg/mL-Acetonitrile
STD#3101U	U-[ <sup>13</sup> C <sub>15</sub> ]-Deoxynivalenol-25 µg/mL-Acetonitrile
STD#3102U	U-[ <sup>13</sup> C <sub>17</sub> ]-15-Acetyl-Deoxynivalenol-10 µg/mL-Acetonitrile
STD#3103U	U-[ <sup>13</sup> C <sub>17</sub> ]-3-Acetyl-Deoxynivalenol-25 µg/mL-Acetonitrile
STD#3104U	U-[ <sup>13</sup> C <sub>15</sub> ]-Nivalenol-25 µg/mL-Acetonitrile
STD#3105U	U-[ <sup>13</sup> C <sub>21</sub> ]-3-G-Deoxynivalenol-10 µg/mL-Acetonitrile
STD#3106U	U-[ <sup>13</sup> C <sub>17</sub> ]-3-Acetyl-Deoxynivalenol-10 µg/mL-Acetonitrile
STD#3109U	U-[ <sup>13</sup> C <sub>15</sub> ]-Deoxynivalenol-3-glucoside-10 µg/mL-Acetonitrile
STD#3108U	U- <sup>13</sup> C-Nivalenol,U- <sup>13</sup> C-Deoxynivalenol Mix(25 µg/mL) in Acetonitrile
STD#3110U	U-[ <sup>13</sup> C <sub>24</sub> ]-T-2 toxin-25 µg/mL-Acetonitrile
STD#3112U	U-[ <sup>13</sup> C <sub>20</sub> ]-T-2 triol-10 µg/mL-Acetonitrile
STD#3113U	U-[ <sup>13</sup> C <sub>15</sub> ]-T-2 tetraol-10 µg/mL-Acetonitrile
STD#3115U	U-[ <sup>13</sup> C <sub>15</sub> ]-Deoxynivalenol-15-glucoside-10 µg/mL-Acetonitrile
STD#3121U	U-[ <sup>13</sup> C <sub>22</sub> ]-HT-2 toxin-25 µg/mL-Acetonitrile
STD#3131U	U-[ <sup>13</sup> C <sub>24</sub> ]-T-2 toxin,U-[ <sup>13</sup> C <sub>22</sub> ]-HT-2 toxin-25 µg/mL-Acetonitrile
STD#3160U	U-[ <sup>13</sup> C <sub>19</sub> ]-Diacetoxyscirpenol-25 µg/mL-Acetonitrile
STD#3191U	U-[ <sup>13</sup> C <sub>17</sub> ]-Mycophenolic acid-0.5 µg/mL-Acetonitrile
STD#3217U	U-[ <sup>13</sup> C <sub>33</sub> ]-Enniatin B-10 µg/mL-Acetonitrile
STD#3218U	U-[ <sup>13</sup> C <sub>34</sub> ]-Enniatin B <sub>1</sub> -10 µg/mL-Acetonitrile
STD#3219U	U-[ <sup>13</sup> C]-Enniatins (ENA, ENA <sub>1</sub> , ENB, ENB <sub>1</sub> )-2 µg/mL-Acetonitrile
STD#3220U	U-[ <sup>13</sup> C <sub>36</sub> ]-Enniatin A-10 µg/mL-Acetonitrile
STD#3221U	U-[ <sup>13</sup> C <sub>36</sub> ]-Enniatin A <sub>1</sub> -10 µg/mL-Acetonitrile
STD#3220U	U-[ <sup>13</sup> C <sub>36</sub> ]-Enniatin A-10 µg/mL-Acetonitrile
STD#3301U	U-[ <sup>13</sup> C <sub>3</sub> ]-3-Nitropropionic Acid-10 µg/mL-Acetonitrile
STD#3401U	U-[ <sup>13</sup> C <sub>11</sub> ]-Chloramphenicol-10 µg/mL-Acetonitrile
STD#3501U	U-[ <sup>13</sup> C <sub>22</sub> ]-Roquefortine C-10 µg/mL-Acetonitrile
STD#3601U	U-[ <sup>13</sup> C <sub>7</sub> ]-Toxoflavin -10 µg/mL-Methanol
STD#3602U	U-[ <sup>13</sup> C <sub>7</sub> ]-Toxoflavin -5 µg/mL /dried down

## Pribolab® <sup>13</sup>C Stable Isotope Labeled Internal Standards

General Specifications: 1.2/2/5 mL. All standards can be customized according to client needs.

Cat. No.	Product Name
STD#3701U	U-[ <sup>13</sup> C <sub>17</sub> ]-Griseofulvin -10 µg/mL-Acetonitrile
STD#3801U	U-[ <sup>13</sup> C <sub>4</sub> ]-Moniliformin -10 µg/mL-Acetonitrile
STD#4010U	U-[ <sup>13</sup> C <sub>18</sub> ]-Zearalenone-25 µg/mL-Acetonitrile
STD#4015U	U-[ <sup>13</sup> C <sub>18</sub> ]-Zearalanone-10 µg/mL-Acetonitrile
STD#4016U	U-[ <sup>13</sup> C <sub>18</sub> ]-β-Zearalenol-10 µg/mL-Acetonitrile
STD#4017U	U-[ <sup>13</sup> C <sub>18</sub> ]-α-Zeranol-10 µg/mL-Acetonitrile
STD#4018U	U-[ <sup>13</sup> C <sub>18</sub> ]-α-Zearalenol-10 µg/mL-Acetonitrile
STD#4019U	U-[ <sup>13</sup> C <sub>18</sub> ]-β-Zeranol-10 µg/mL-Acetonitrile
STD#4020U	U-[ <sup>13</sup> C <sub>18</sub> ]-Zearalenone、U-[ <sup>13</sup> C <sub>18</sub> ]-Zearalanone、U-[ <sup>13</sup> C <sub>18</sub> ]-α-Zearalenol、U-[ <sup>13</sup> C <sub>18</sub> ]-β-Zearalenol、U-[ <sup>13</sup> C <sub>18</sub> ]-α-Zeranol、U-[ <sup>13</sup> C <sub>18</sub> ]-β-Zeranol) -10µg/mL /Acetonitrile
STD#4111U	U-[ <sup>13</sup> C <sub>45</sub> ]-Beauvericin-25 µg/mL -Acetonitrile
STD#5010U	U-[ <sup>13</sup> C <sub>20</sub> ]-Ochratoxin A-10 µg/mL-Acetonitrile
STD#5011U	U-[ <sup>13</sup> C <sub>20</sub> ]-Ochratoxin A-25 µg/mL-Acetonitrile
STD#5012U	U-[ <sup>13</sup> C <sub>20</sub> ]-Ochratoxin A-10 µg/mL-Methanol
STD#5020U	U-[ <sup>13</sup> C <sub>20</sub> ]-Ochratoxin B-10 µg/mL-Acetonitrile
STD#5030U	U-[ <sup>13</sup> C <sub>20</sub> ]-Ochratoxin C-10 µg/mL-Acetonitrile
STD#6010U	U-[ <sup>13</sup> C <sub>7</sub> ]-Patulin-25 µg/mL-Acetonitrile
STD#6012U	U-[ <sup>13</sup> C <sub>8</sub> ]-Patulin-10 µg/mL-Acetonitrile
STD#7017U	U-[ <sup>13</sup> C <sub>16</sub> ]-Agroclavine-25 µg/mL-Acetonitrile
STD#7050U	U-[ <sup>13</sup> C <sub>14</sub> ]-Alternariol-10 µg/mL-Methanol
STD#7051U	U-[ <sup>13</sup> C <sub>15</sub> ]-Alternariol monomethyl ether-10 µg/mL-Methanol
STD#7052U	U-[ <sup>13</sup> C <sub>22</sub> ]-Tentoxin-5 µg/mL-Methanol
STD#7053U	U-[ <sup>13</sup> C <sub>10</sub> ]-Tenuazonic acid-25 µg/mL-Methanol
STD#7054U	U-[ <sup>13</sup> C <sub>15</sub> ]-Altenuene-5 µg/mL-Methanol
STD#7055U	U-[ <sup>13</sup> C <sub>15</sub> ]-Altenuenol-10 µg/mL-Methanol
STD#7057U	U-[ <sup>13</sup> C <sub>20</sub> ]-Altoxin I-10 µg/mL-Methanol
STD#7058U	U- <sup>13</sup> C-Alternaria Toxins Mix (AOH、AME、TEN、ATX-I 1 µg/mL、TEA 10 µg/mL、ALT 5 µg/mL)-Methanol
STD#7059U	U- <sup>13</sup> C-Alternaria Toxins Mix (AOH 10 µg/mL、AME 2 µg/mL、TEN 5 µg/mL、TEA 25 µg/mL)-Methanol
STD#7060U	Alternaria Toxins Mix-U-[ <sup>13</sup> C <sub>14</sub> ]-Alternariol, U-[ <sup>13</sup> C <sub>15</sub> ]-Alternariol monomethyl ether 10 µg/mL-Methanol
STD#7061U	Alternaria Toxins Mix*** TeA(5ppm); <sup>13</sup> C-AOH(2ppm); <sup>13</sup> C-TEN(1ppm); <sup>13</sup> C-AME(0.2ppm) in Methanol
STD#7062U	U- <sup>13</sup> C-Alternaria Toxins Mix (AOH, AME, TEN, ATX-I-1 µg/mL, TEA-10 µg/mL)-Methanol
STD#7064U	U-[ <sup>13</sup> C <sub>14</sub> ]-Alternariol-25 µg/mL-Methanol

General Specifications: 1.2/2/5 mL. All standards can be customized according to client needs.

Cat. No.	Product Name
STD#7065U	U-[ <sup>13</sup> C <sub>15</sub> ]-Alternariol monomethyl ether-25 µg/mL-Methanol
STD#7070U	U-[ <sup>13</sup> C <sub>22</sub> <sup>15</sup> N <sub>2</sub> ]-Oxytetracycline-2.5 µg/mL-dried down-5*1 mL
STD#7071U	U-[ <sup>13</sup> C <sub>22</sub> ]-Oxytetracycline-2.5 µg/mL-dried down*5
STD#7075U	D3-Tentoxin-10 µg/mL-Methanol
STD#7076U	Alternariol Monomethyl Ether-D3 AME-D3(10 µg/mL) in Methanol
STD#7077U	Alternariol Monomethyl Ether-D3 AME-D3(100 µg/mL) / in Methanol
STD#8020U	U-[ <sup>13</sup> C <sub>20</sub> ]-Cyclopiazonic Acid-10 µg/mL-Acetonitrile
STD#8021U	U-[ <sup>13</sup> C <sub>20</sub> ]-Cyclopiazonic Acid-25 µg/mL-Acetonitrile
STD#8030U	U-[ <sup>13</sup> C <sub>18</sub> ]-Sterigmatocystin-25 µg/mL-Acetonitrile
STD#9040U	U-[ <sup>13</sup> C <sub>13</sub> ]-Citricin-10 µg/mL-Acetonitrile
STD#9041U	U-[ <sup>13</sup> C <sub>13</sub> ]-Citricin-25 µg/mL-Acetonitrile
STD#9050U	U-[ <sup>13</sup> C <sub>23</sub> ]-Citroviridin-10 µg/mL-Acetonitrile
STD#9201U	U-[ <sup>13</sup> C <sub>3</sub> ]-Melamine- 100 µg/mL -Water
STD#9202U	U-[ <sup>15</sup> N <sub>3</sub> ]-Melamine- 100 µg/mL -Water
STD#9203U	U-[ <sup>13</sup> C <sub>3</sub> ]-Melamine-100 µg/mL-50%Methanol
STD#9204U	U-[ <sup>15</sup> N <sub>3</sub> ]-Melamine- 100 µg/mL-50%Methanol
STD#9240U	Azithromycin-D5 in Methanol,100ug/mL
MSS2031U	U-[ <sup>13</sup> C <sub>3</sub> ]-Melamine
MSS2032U	U-[ <sup>15</sup> N <sub>3</sub> ]-Melamine

Note: AOH: Alternariol; AME: Alternariol monomethyl Ether; TEN: Tentoxin; TEA: Tenuazonic Acid; ALT: Altenuene; ATX-I: Altoxin I;

## Pribolab® Mixed standard

### Application

In order to facilitate the multi-component testing needs of analysts/researchers, reduce the burden of calibration of mixed standard configuration, and improve the efficiency of analysis and testing, the customized service of multi-component mixed internal and external standards is introduced, and the customized service with different components, different volumes, different concentrations, different solvents and different forms (dry state and wave state) is realized to meet the individual needs of different customers. The customization of mixed standard solution covers many fields, such as mycotoxins, marine toxins, mushroom toxins, veterinary drug residues, pesticide residues, etc. All standard solutions are produced in accordance with the standard material production system, and the uniformity and stability are verified, so that all products are accurate and traceable, which fully meets the requirements of relevant national standards, industry standards, pharmacopoeia, risk monitoring manuals, etc.



## Pribolab® Mixed standard

General Specifications: 1.2/2mL. All standards can be customized according to client needs.

Cat. No.	Product Name	Reference Standards
STD#1080U	Mix100 U-[ <sup>13</sup> C <sub>17</sub> ]-Aflatoxins Mix* <sup>®</sup> -0.5 µg/mL-Acetonitrile	2022 CDC, GB 5009.22-2016
STD#1081	Mix1 Aflatoxin B1,G1 (2 µg/mL),Aflatoxin B2,G2(0.5 µg/mL) in Acetonitrile	————
STD#1081U	Mix101 U-[ <sup>13</sup> C <sub>17</sub> ]-Aflatoxins Mix-1.0 µg/mL-Acetonitrile	————
STD#1082	Mix2 Aflatoxin B1,G1 (1 µg/mL),Aflatoxin B2,G2(0.3 µg/mL) in Acetonitrile	LS/T 6128-2017, 2020 ChP, GB 5009.22-2016
STD#1084	Mix3 Aflatoxin B1,G1,B2,G2 (25 µg/mL) in Acetonitrile	————
STD#1088	Mix4 Aflatoxin B1,G1,B2,G2 (1 µg/mL) in Acetonitrile	————
STD#1103	Mix5 Aflatoxin M1,M2 (10 µg/mL) in Acetonitrile	————
STD#1182	Mix6 Aflatoxins: 0.1µg/mL Aflatoxin B1, 0.1µg/mL Aflatoxin B2, 0.1µg/mL Aflatoxin G1, 0.1µg/mL Aflatoxin G2 in acetonitrile	————
STD#1182U	Mix106 <sup>13</sup> C Aflatoxins: 0.1µg/mL <sup>13</sup> C <sub>17</sub> Aflatoxin B1, 0.1µg/mL <sup>13</sup> C <sub>17</sub> Aflatoxin B2, 0.1µg/mL <sup>13</sup> C <sub>17</sub> Aflatoxin G1, 0.1µg/mL <sup>13</sup> C <sub>17</sub> Aflatoxin G2 in acetonitrile	————
STD#2011	Mix7 Fumonisin B1,B2-50 µg/mL-Acetonitrile/Water	LS/T 6130-2017
STD#2011U	Mix107 U-[ <sup>13</sup> C <sub>34</sub> ]-Fumonisin B1,B2-5 µg/mL-Acetonitrile/Water	————
STD#2012	Mix8 Fumonisin B1,B2,B3-50 µg/mL-Acetonitrile/Water	————
STD#2012U	Mix108 U-[ <sup>13</sup> C <sub>34</sub> ]-Fumonisin B1,B2,B3-5 µg/mL-Acetonitrile/Water	————
STD#2016	Mix9 Fumonisin: 5 µg/mL Fumonisin B1,5 µg/mL Fumonisin B2 in acetonitrile/water	————
STD#2016U	Mix109 U-[ <sup>13</sup> C <sub>34</sub> ]-Fumonisin Mix(U-[ <sup>13</sup> C <sub>34</sub> ]-FB1,FB2)-10 µg/mL-Acetonitrile/Water	————
STD#2017	Mix43 Fumonisin Mix FumonisinB1,B2,B3-10µg/mL,5µg/mL,5µg/mL in Acetonitrile/Water	GB 5009.240-2023
STD#2017U	Mix143 U-[ <sup>13</sup> C <sub>34</sub> ]-Fumonisin Mix (U-[ <sup>13</sup> C <sub>34</sub> ]-FumonisinB1,B2,B3)-2.5µg/mL, 1µg/mL,1µg/mL in Acetonitrile/Water	GB 5009.240-2023
STD#3022	Mix10 (Deoxynivalenol ,3-Acetyl Deoxynivalenol,15-Acetyl Deoxynivalenol)-100 µg/mL in acetonitrile	GB 5009.111-2016
STD#3022U	Mix110 U-[ <sup>13</sup> C <sub>15</sub> ]-Deoxynivalenol、 U-[ <sup>13</sup> C <sub>17</sub> ]-3-Acetyl-Deoxynivalenol、 U-[ <sup>13</sup> C <sub>17</sub> ]-15-Acetyl-Deoxynivalenol-10µg/mL in acetonitrile	————
STD#3071	Mix11 100µg/ml Type A & B Trichothecenes (Fusarenon X, Deoxynivalenol,3-Acetyl Deoxynivalenol , 15-Acetyl Deoxynivalenol Nivalenol, Neosolaniol, HT-2 Toxin, Diacetoxyscirpenol, T-2 Toxin in Acetonitrile)	————
STD#3072	Mix12 10µg/ml Type A & B Trichothecenes (Fusarenon X, Deoxynivalenol,3-Acetyl Deoxynivalenol,15-Acetyl Deoxynivalenol Nivalenol, Neosolaniol, HT-2 Toxin, Diacetoxyscirpenol, T-2 Toxin and Zearalenone in Acetonitrile)	————
STD#3081	Mix13 10µg/ml Type A Trichothecenes (Neosolaniol, Diacetoxyscirpenol, Ht-2 Toxin, T-2 Toxin in Acetonitrile)	————
STD#3088	Mix14 10 µg/mL(Aflatoxin)B1,B2,G1,G2, Zearalenone, T-2 Toxin in Methanol	NY-T 2071-2011
STD#3091	Mix15 10µg/ml Type B Trichothecenes (FusarenonX, Deoxynivalenol,3-Acetyl Deoxynivalenol , 15-Acetyl Deoxynivalenol , Nivalenol in Acetonitrile)	————
STD#3093	Mix16 Deoxynivalenol,Nivalenol,3-Acetyl Deoxynivalenol, 15-Acetyl Deoxynivaleno(100 µg/mL) in Acetonitrile	————
STD#3123	Mix45 T-2 Toxin、 HT-2 Toxin-50,100 µg/mL in Acetonitrile	CDC(2024)-HPLC-MS
STD#3123U	Mix145 U-[ <sup>13</sup> C <sub>24</sub> ]-T-2 Toxin,U-[ <sup>13</sup> C <sub>22</sub> ]-HT-2 Toxin-25 µg/mL in Acetonitrile	CDC(2024) -HPLC-MS

General Specifications: 1.2/2mL. All standards can be customized according to client needs.

Cat. No.	Product Name	Reference Standards
STD#3201	Mix17 100 µg/mL Deoxynivalenol, HT-2 Toxin, 10 µg/mL T-2 Toxin, 30 µg/mL Zearalenone in Acetonitrile	————
STD#3201U	Mix117 10 µg/mL <sup>13</sup> C <sub>15</sub> Deoxynivalenol,10 µg/mL <sup>13</sup> C <sub>22</sub> HT-2Toxin, 1 µg/mL <sup>13</sup> C <sub>24</sub> T-2Toxin, 3 µg/mL <sup>13</sup> C <sub>18</sub> Zearalenone in acetonitrile	————
STD#3203	Mix18 5 µg/mL Deoxynivalenol,5 µg/mL 3-Acetyldeoxynivalenol, 10 µg/mL Nivalenol, 2.5 µg/mL HT-2 toxin, 2.5 µg/mL T-2 toxin,2.0 µg/mL Zearalenone in acetonitrile	————
STD#3203U	Mix118 5 µg/mL <sup>13</sup> C <sub>15</sub> Deoxynivalenol, 5 µg/mL <sup>13</sup> C <sub>17</sub> 3-Acetyldeoxynivalenol, 10 µg/mL <sup>13</sup> C <sub>15</sub> Nivalenol, 2.5 µg/mL <sup>13</sup> C <sub>22</sub> HT-2 toxin, 2.5 µg/mL <sup>13</sup> C <sub>24</sub> T-2 toxin, 2.0 µg/mL <sup>13</sup> C <sub>18</sub> Zearalenone in acetonitrile	————
STD#3219	Mix19 Enniatins mix: (Enniatin A), (Enniatin A1), (Enniatin B), (Enniatin B1) - 10 µg/mL in acetonitrile	————
STD#3219U	Mix119 U-[ <sup>13</sup> C]-Enniatins mix(U-[ <sup>13</sup> C <sub>36</sub> ]-ENA, U-[ <sup>13</sup> C <sub>35</sub> ]-ENA1, U-[ <sup>13</sup> C <sub>33</sub> ]-ENB, U-[ <sup>13</sup> C <sub>34</sub> ]-ENB1)-2µg/mL in acetonitrile	————
STD#4018	Mix20 10 µg/mL Zearalenone、 α、 β-Zearalenol、 Zearalanone in acetonitrile、 α、 β-Zeranol in acetonitrile	GBT 21982-2008
STD#4020U	Mix144 U-[ <sup>13</sup> C <sub>18</sub> ]-Zearalenone、 U-[ <sup>13</sup> C <sub>18</sub> ]-Zearalanone、 U-[ <sup>13</sup> C <sub>18</sub> ]-α-Zearalenol、 U-[ <sup>13</sup> C <sub>18</sub> ]-β-Zearalenol、 U-[ <sup>13</sup> C <sub>18</sub> ]-α-Zeranol、 U-[ <sup>13</sup> C <sub>18</sub> ]-β-Zeranol -10µg/mL /Acetonitrile	————
STD#7010	Mix21 100 µg/mL Ergot Alkaloids / dried down	————
STD#7061	Mix22 Alternaria Toxins Mix <sup>®</sup> /TeA(5ppm); AOH(2ppm); TEN(1ppm); AME(0.2ppm) in Methanol	2023 CDC
STD#7061U	Mix122 Alternaria Toxins Mix(CDC) <sup>13</sup> C-TeA(5ppm); <sup>13</sup> C-AOH(2ppm); <sup>13</sup> C-TEN(1ppm); <sup>13</sup> C-AME(0.2ppm)	2023 CDC
STD#7075	Mix23 Alternaria Toxins Mix in Methanol;(AOH、 AME、 TEN、 TeA、 ALT、 ATX-I)-25ppm	————
MAS-100-2	National Standard NY/T 3803-2020, Group B Mixed Standard Solution, 10 µg/mL	NYT 3803-2020
MAS-200-2	National Standard NY/T 3803-2020, Group C Mixed Standard Solution, 10 µg/mL	NYT 3803-2020
MAS-300-2	National Standard NY/T 3803-2020, Group A Mixed Standard Solution, 10 µg/mL	NYT 3803-2020
MAS-1103	Mix27 Mixed Standard of 11 Mycotoxins	Customization
MAS-1601JK	Mix28 Mixed Standard of 16 Mycotoxins (CDC)	CDC
MAS-1601JKU	Mix128 Mixed Internal Standard of 16 Mycotoxins (CDC)	CDC
MAS-1601JKUDZ	Mix128 Mixed Internal Standard of 4 Mycotoxins (CDC) - Customization	CDC
MAS-1601LS	Mix29 Mixed Standard of 16 Mycotoxins (LS)	LS/T 6133-2018
MAS-1601LSU	Mix129 Mixed Internal Standard of 16 Mycotoxins (LS)	LS/T 6133-2018
MAS-1601LSUDZ	Mix129 Mixed Internal Standard of 4 Mycotoxins (LS) - Customization	LS/T 6133-2018
MAS-1602LS	Mix30 Mixed Standard of 21 Mycotoxins (LS)	LS/T 6133-2018
MAS-1602LSU	Mix130 Mixed Internal Standard of 21 Mycotoxins (LS)	LS/T 6133-2018
MAS-1602LSUDZ	Mix130 Mixed Internal Standard of 21 Mycotoxins (LS) - Customization	LS/T 6133-2018
MAS-1604U	Mix132 Mixed Internal Standard of 16 Mycotoxins	Customization
MAS-1701	Mix46 Mixed Standard of 7 Mycotoxins (CDC) Ochratoxin A、 Zearalenone、 Zearalanone、 α-Zearalenol、 β-Zearalenol、 α-Zeranol、 β-Zeranol - 10 µg/mL in Acetonitrile	CDC(2024)

## Pribolab® Mixed standard

General Specifications: 1.2/2mL. All standards can be customized according to client needs.

Cat. No.	Product Name	Reference Standards
MAS-1701U	Mix47 Mixed Internal Standard of 4 Mycotoxins (CDC) U-[ <sup>13</sup> C <sub>20</sub> ]-Ochratoxin A, U-[ <sup>13</sup> C <sub>18</sub> ]-Zearalenone, [D5]-α-Zearalenol, [D5]-β-Zearalenol - 10 µg/mL in Acetonitrile	CDC(2024)
MAS-1702U	Mix48 Mixed Internal Standard of 7 Mycotoxins (CDC) U-[ <sup>13</sup> C <sub>20</sub> ]-Ochratoxin A, U-[ <sup>13</sup> C <sub>18</sub> ]-Zearalenone, U-[ <sup>13</sup> C <sub>18</sub> ]-Zearalanone, U-[ <sup>13</sup> C <sub>18</sub> ]-α-Zearalenol, U-[ <sup>13</sup> C <sub>18</sub> ]-β-Zearalenol, U-[ <sup>13</sup> C <sub>18</sub> ]-α-Zeranol, U-[ <sup>13</sup> C <sub>18</sub> ]-β-Zeranol - 10 µg/mL in Acetonitrile	CDC(2024)
MAS-1703U	Mix49 Mixed Internal Standard of 7 Mycotoxins (CDC) U-[ <sup>13</sup> C <sub>20</sub> ]-Ochratoxin A, U-[ <sup>13</sup> C <sub>18</sub> ]-Zearalenone, [D5]-Zearalanone, [D5]-α-Zearalenol, [D5]-β-Zearalenol, [D5]-α-Zeranol, [D5]-β-Zeranol - 10 µg/mL in Acetonitrile	CDC(2024)
MAS-302JKU	Mix133 U-[ <sup>13</sup> C <sub>15</sub> ]-Nivalenol, U-[ <sup>13</sup> C <sub>15</sub> ]-Deoxynivalenol, U-[ <sup>13</sup> C <sub>17</sub> ]-3-Acetyl-Deoxynivalenol -25 µg/mL in Acetonitrile	CDC
MAS-5204JK	Mix34 Mixed Standard of 52 Mycotoxins (JK)	2022CDC
MAS-6003	Mix35 Mixed Standard of 52 Mycotoxins	Customization 2ml
MAS-6004	Mix36 Mixed Standard of 92 Mycotoxins	Customization 2ml
MAS-601SN	Mix37 Mixed Standard of 6 Ergot Alkaloids Standard	SNT4524-2016
MAS-700-5	Mix38 Mixed Reference Standards according to the 20th Edition of ChP (AFB1 0.08, AFB2 0.04, AFG1 0.08, AFG2 0.04, FB1 0.8, FB2 0.8, T-2 0.8, OTA 0.08, DON 20, ZEN 0.2 µg/mL)	20th ChP(AFB1 0.08, AFB2 0.04, AFG1 0.08, AFG2 0.04, FB1 0.8, FB2 0.8, T-2 0.8, OTA 0.08, DON 20, ZEN 0.2 µg/mL)
MAS-7033	Mix42 Mixed Standard of 33 Mycotoxins (ChP)	ChP
MAS-800-1	Mix40 Mixed Reference Standards according to the 20th Edition of ChP (AFB1 0.4, AFB2 0.2, AFG1 0.4, AFG2 0.2, FB1 4, FB2 4, T-2 4, OTA 0.4, DON 100, ZEN 1 µg/mL)	20th ChP(AFB1 0.4, AFB2 0.2, AFG1 0.4, AFG2 0.2, FB1 4, FB2 4, T-2 4, OTA 0.4, DON 100, ZEN 1 µg/mL)
MAS-803JK	Mix41 DON(50ppm); 3-DON(50ppm); 15-DON(50ppm); ZEN(5ppm); OTA(0.5ppm); FB1(10ppm); FB2(10ppm); FB3(10ppm)	_____
MAS-803JKU	Mix141 <sup>13</sup> C-DON(12.5ppm); <sup>13</sup> C-3-DON(12.5ppm); <sup>13</sup> C-15-DON(12.5ppm); <sup>13</sup> C-ZEN(12.5ppm); <sup>13</sup> C-OTA(0.2ppm); <sup>13</sup> C-FB1(5ppm); <sup>13</sup> C-FB2(5ppm); <sup>13</sup> C-FB3(5ppm)	_____
MAS-901SN	Mix42 Mixed Standard of 9 Mycotoxins	SN/T 3136-2012
MAK-400-15T	Special Reagent Kit for Multi-Component Mycotoxin Analysis by LC-MS/MS	2022CDC

### Note:

MAS-1601JK: AFB1(0.5ppm); AFB2(0.5ppm); AFG1(0.5ppm); AFG2(0.5ppm); NIV(50ppm); DON(50ppm); 3-DON(50ppm); 15-DON(50ppm); ZEN(5ppm); T-2(5ppm); HT-2(10ppm); ST(0.5ppm); OTA(0.5ppm); FB1(10ppm); FB2(10ppm); FB3(10ppm).  
 MAS-1601JKU: <sup>13</sup>C-AFB1(0.1ppm); <sup>13</sup>C-AFB2(0.1ppm); <sup>13</sup>C-AFG1(0.1ppm); <sup>13</sup>C-AFG2(0.1ppm); <sup>13</sup>C-NIV(12.5ppm); <sup>13</sup>C-DON(12.5ppm); <sup>13</sup>C-3-DON(12.5ppm); <sup>13</sup>C-15-DON(12.5ppm); <sup>13</sup>C-ZEN(12.5ppm); <sup>13</sup>C-OTA(0.2ppm); <sup>13</sup>C-FB1(5ppm); <sup>13</sup>C-FB2(5ppm); <sup>13</sup>C-FB3(5ppm).  
 MAS-1201JK: AFB1(0.5ppm); AFB2(0.5ppm); AFG1(0.5ppm); AFG2(0.5ppm); DON(50ppm); 3-DON(50ppm); 15-DON(50ppm); ZEN(5ppm); OTA(0.5ppm); FB1(10ppm); FB2(10ppm); FB3(10ppm).  
 MAS-1201JKU: <sup>13</sup>C-AFB1(0.1ppm); <sup>13</sup>C-AFB2(0.1ppm); <sup>13</sup>C-AFG1(0.1ppm); <sup>13</sup>C-AFG2(0.1ppm); <sup>13</sup>C-DON(12.5ppm); <sup>13</sup>C-3-DON(12.5ppm); <sup>13</sup>C-15-DON(12.5ppm); <sup>13</sup>C-ZEN(12.5ppm); <sup>13</sup>C-OTA(0.2ppm); <sup>13</sup>C-FB1(5ppm); <sup>13</sup>C-FB2(5ppm); <sup>13</sup>C-FB3(5ppm).  
 MAS-1601LS: AFB1(1ppm); AFB2(0.3ppm); AFG1(1ppm); AFG2(0.3ppm); NIV(200ppm); DON(150ppm); D3G(25ppm); 3-DON(40ppm); 15-DON(20ppm); ZEN(20ppm); T-2(2ppm); HT-2(10ppm); ST(1ppm); OTA(2ppm); FB1(20ppm); FB2(10ppm).  
 MAS-1601LSU: <sup>13</sup>C-AFB1(0.1ppm); <sup>13</sup>C-AFB2(0.1ppm); <sup>13</sup>C-AFG1(0.1ppm); <sup>13</sup>C-AFG2(0.1ppm); <sup>13</sup>C-NIV(25ppm); <sup>13</sup>C-DON(20ppm); <sup>13</sup>C-3-DON(10ppm); <sup>13</sup>C-ZEN(2ppm); <sup>13</sup>C-T-2(0.5ppm); <sup>13</sup>C-HT-2(1.25ppm); <sup>13</sup>C-ST(0.25ppm); <sup>13</sup>C-OTA(0.4ppm); <sup>13</sup>C-FB1(5ppm); <sup>13</sup>C-FB2(3ppm).  
 MAS-1602LS: AFB1(0.5ppm); AFB2(0.5ppm); AFG1(0.5ppm); AFG2(5ppm); OTA(2.5ppm); FB1(75ppm); FB2(75ppm); FB3(125ppm); ZEN(50ppm); NIV(500ppm); DON(50ppm); 3-DON(250ppm); 15-DON(250ppm); ST(2.5ppm); HT-2(125ppm); T-2(12.5ppm); TEA(50ppm); AOH(50ppm); TEN(12.5ppm); AME(12.5ppm); D3G(125ppm).  
 MAS-1602LSU: AFB1(0.5ppm); AFB2(0.5ppm); AFG1(0.5ppm); AFG2(5ppm); OTA(2.5ppm); FB1(75ppm); FB2(75ppm); FB3(125ppm); ZON(50ppm); NIV(500ppm); DON(50ppm); 3-DON(250ppm); 15-DON(250ppm); ST(2.5ppm); HT-2(125ppm); T-2(12.5ppm); TEA(50ppm); AOH(50ppm); TEN(12.5ppm); AME(12.5ppm); D3G(125ppm).  
 MAS-1602LSU: AFB1(0.5ppm); AFB2(0.5ppm); AFG1(0.5ppm); AFG2(5ppm); OTA(2.5ppm); FB1(75ppm); FB2(75ppm); FB3(125ppm); ZON(50ppm); NIV(500ppm); DON(50ppm); 3-DON(250ppm); 15-DON(250ppm); ST(2.5ppm); HT-2(125ppm); T-2(12.5ppm); TEA(50ppm); AOH(50ppm); TEN(12.5ppm); AME(12.5ppm); D3G(125ppm).  
 MAS-1602LSU: <sup>13</sup>C-AFB1(0.1ppm); <sup>13</sup>C-AFB2(0.1ppm); <sup>13</sup>C-AFG1(0.1ppm); <sup>13</sup>C-AFG2(0.1ppm); <sup>13</sup>C-OTA(0.2ppm); <sup>13</sup>C-FB1(5ppm); <sup>13</sup>C-FB2(5ppm); <sup>13</sup>C-FB3(5ppm); <sup>13</sup>C-ZEN(12.5ppm); <sup>13</sup>C-NIV(25ppm); <sup>13</sup>C-DON(25ppm); <sup>13</sup>C-3-DON(25ppm); <sup>13</sup>C-15-DON(25ppm); <sup>13</sup>C-ST(0.2ppm); <sup>13</sup>C-HT-2(5ppm); <sup>13</sup>C-T-2(0.5ppm); <sup>13</sup>C-TEA(12.5ppm); <sup>13</sup>C-AOH(12.5ppm); <sup>13</sup>C-TEN(5ppm); <sup>13</sup>C-AME(5ppm); <sup>13</sup>C-D3G(25ppm).  
 MAS-901SN: AFB1(1ppm); AFB2(1ppm); AFG1(1ppm); AFG2(1ppm); DON(100ppm); T-2(20ppm); HT-2(20ppm); OTA(1ppm); FB1(20ppm).  
 MAS-401SN: AOH(10ppm); AME(10ppm); ALT(50ppm); TEN(10ppm).  
 MAS-601SN: Ergometrine, Ergosine, Ergotamine, Ergocornine, Ergocryptine, Ergocristine(10ppm).  
 MAS-301GB: FB1(5ppm); FB2(5ppm); FB3(12.5ppm).  
 MAS-301GBU: <sup>13</sup>C-FB1(12.5ppm); <sup>13</sup>C-FB2(5ppm); <sup>13</sup>C-FB3(5ppm).

STD#7061: TeA(5ppm); AOH(2ppm); TEN(1ppm); AME(0.2ppm).  
 STD#7061U: <sup>13</sup>C-TeA(5ppm); <sup>13</sup>C-AOH(2ppm); <sup>13</sup>C-TEN(1ppm); <sup>13</sup>C-AME(0.2ppm).  
 MAS-704JK: NIV(50ppm); DON(50ppm); 3-DON(50ppm); 15-DON(50ppm); ZEN(5ppm); T-2(5ppm); HT-2(10ppm).  
 MAS-704JKU: <sup>13</sup>C-NIV(12.5ppm); <sup>13</sup>C-DON(12.5ppm); <sup>13</sup>C-3-DON(12.5ppm); <sup>13</sup>C-15-DON(12.5ppm); <sup>13</sup>C-ZEN(12.5ppm); <sup>13</sup>C-T-2(0.5ppm); <sup>13</sup>C-HT-2(5ppm).  
 MAS-1101JK: AOH(4ppm); AME(0.4ppm); TEA(10ppm); TEN(2ppm); NIV(50ppm); DON(50ppm); 3-DON(50ppm); 15-DON(50ppm); ZEN(5ppm); T-2(5ppm); HT-2(10ppm); AOH(4ppm); AOH(4ppm); TEN(2ppm); AME(0.4ppm).  
 MAS-1101JKU: <sup>13</sup>C-AOH(2ppm); <sup>13</sup>C-AME(0.2ppm); <sup>13</sup>C-TEA(5ppm); <sup>13</sup>C-TEN(1ppm); <sup>13</sup>C-NIV(12.5ppm); <sup>13</sup>C-DON(12.5ppm); <sup>13</sup>C-3-DON(12.5ppm); <sup>13</sup>C-15-DON(12.5ppm); <sup>13</sup>C-T-2(0.5ppm); <sup>13</sup>C-HT-2(5ppm); <sup>13</sup>C-TeA(5ppm); <sup>13</sup>C-AOH(2ppm); <sup>13</sup>C-TEN(1ppm); <sup>13</sup>C-AME(0.2ppm).

## Pribolab® EU standard EN mixed standard

General Specifications: 1.2/2mL. All standards can be customized according to client needs.

Cat. No.	Product Name	Reference Materials
STD#1182	Mix6 Aflatoxins: 0.1µg/mL Aflatoxin B1, 0.1µg/mL Aflatoxin B2, 0.1µg/mL Aflatoxin G1, 0.1µg/mL Aflatoxin G2 in acetonitrile	EN 17641:2022
STD#1182U	Mix106 <sup>13</sup> C Aflatoxins: 0.1µg/mL <sup>13</sup> C <sub>17</sub> Aflatoxin B1, 0.1µg/mL <sup>13</sup> C <sub>17</sub> Aflatoxin B2, 0.1µg/mL <sup>13</sup> C <sub>17</sub> Aflatoxin G1, 0.1µg/mL <sup>13</sup> C <sub>17</sub> Aflatoxin G2 in acetonitrile	EN 17641:2022
STD#2016	Mix9 Fumonisin: 5 µg/mL Fumonisin B1, 5 µg/mL Fumonisin B2 in acetonitrile/water	EN 17641:2022
STD#2016U	Mix109 Fumonisin Mix (U-[ <sup>13</sup> C <sub>34</sub> ]-FB1,FB2) -10 µg/mL-Acetonitrile/Water	EN 17641:2022
STD#3203	Mix18 5 µg/mL Deoxynivalenol, 5 µg/mL 3-Acetyldeoxynivalenol, 10 µg/mL Nivalenol, 2.5 µg/mL HT-2 toxin, 2.5 µg/mL T-2 toxin, 2.0 µg/mL Zearalenone in acetonitrile	EN 17641:2022
STD#3203U	Mix118 5 µg/mL <sup>13</sup> C <sub>15</sub> Deoxynivalenol, 5 µg/mL <sup>13</sup> C <sub>17</sub> 3-Acetyldeoxynivalenol, 10 µg/mL <sup>13</sup> C <sub>15</sub> Nivalenol, 2.5 µg/mL <sup>13</sup> C <sub>24</sub> HT-2 toxin, 2.5 µg/mL <sup>13</sup> C <sub>24</sub> T-2 toxin, 2.0 µg/mL <sup>13</sup> C <sub>18</sub> Zearalenone in acetonitrile	EN 17641:2022

## Pribolab® Matrix Reference Materials

### Application

Pribolab provides mycotoxin reference materials in a variety of matrix samples, effectively helping customers to calibrate mycotoxin detection methods and verifying the accuracy of laboratory methods. Matrix reference materials can be used to evaluate laboratory methods and validate the experimental operation, and each product comes with an HPLC/GC/MS validated CoA (the Certificate of Analysis).



### Product Advantages

- ✓ High quality
- ✓ Quality assurance through multiple verification methods
- ✓ Homogeneous in liquid or powder forms
- ✓ Available for customer customization

## Pribolab® Matrix Reference Materials

General Specifications:50/100g. All standards can be customized according to client needs.

Cat. No.	Product Name	Volume(Negative Sample)	Tests
MRM-A10R00	Aflatoxin B1 in Rice Cereal	/	50/100 g
MRM-A10P00	Aflatoxin B1 in Peanut Butter	/	50/100 g
MRM-A10O00	Aflatoxin B1 in Peanut Oil	/	50/100 g
MRM-A10D00	Aflatoxin B1 in DDG	/	50/100 g
MRM-A10C00	Aflatoxin B1 in Corn	0-80µg/kg	50/100 g
MRM-A10W00	Aflatoxin B1 in Wheat	0-80µg/kg	50/100 g
MRM-A10BR0	Aflatoxin B1 in Brown Rice	5-20µg/kg; 30-50µg/kg	50/100 g
MRM-A10B00	Aflatoxin B1 in Peanut	10-20µg/kg; 30-50µg/kg	50/100 g
MRM-A00W00	Aflatoxin B1 & B2 in Wheat	/	50/100 g
MRM-A00SF0	Aflatoxin B1 & B2 in Corn Proten	/	50/100 g
MRM-A00CF0	Aflatoxin B1, Aflatoxin B2 in Chicken Feed	/	50/100 g
MRM-A00C00	Aflatoxin B1 & B2 in Corn	/	50/100 g
MRM-A00C00	Aflatoxin B1 & B2 in Corn (Tester)		50/100 g
MRM-A00BR0	Aflatoxin B1 & B2 in Brown Rice	/	50/100 g
MRM-AT0W00	Aflatoxin B1, B2, G1, G2 in Wheat	0-80µg/kg	50/100 g
MRM-AT0SF0	Aflatoxin B1 , B2 ,G1,G2 in Corn Proten	/	50/100 g
MRM-AT0SC0	AFB1, AFB2, AFG1, AFG2 in Adlay powder	/	50/100 g
MRM-AT0R00	Aflatoxin B1, B2, G1, G2 in Rice flour	/	50/100 g
MRM-AT0PM0	AFB1, AFB2, AFG1, AFG2, ZEN in Peanut milk	/	50/100 g
MRM-AT0PD0	Aflatoxin B1, B2, G1, G2 in Coconut Juice	/	50/100 g
MRM-AT0P00	Aflatoxin B1, B2, G1, G2 in Peanut Butter	/	50/100 g
MRM-AT0CP0	Aflatoxins B1, B2, G1, G2 in Chili Powder	/	50/100 g
MRM-AT0C00	Aflatoxin B1, B2, G1, G2 in Corn	0-80µg/kg	50/100 g
MRM-AT0BR0	Aflatoxin B1, B2, G1, G2 in Brown Rice	5-10µg/kg; 10-20µg/kg; 20-30µg/kg	50/100 g
MRM-AT0O00	Aflatoxin B1, B2, G1, G2 in Peanut	10-40µg/kg	50/100 g
MRM-AM0SM0	Aflatoxin M1 in Skim Milk	/	50/100 g
MRM-AM0WP0	Aflatoxin M1 in Whole Milk Powder	/	50/100 g
MRM-AM0IF0	Aflatoxin M1 in Milk Powder	/	50/100 g
MRM-Z00W00	Zearalenone in Wheat	30-1000µg/kg	50/100 g
MRM-Z00O00	Zearalenone in Peanut Oil	/	50/100 g
MRM-Z00C00	Zearalenone in Corn Oil	/	50/100 g

General Specifications:50/100g. All standards can be customized according to client needs.

Cat. No.	Product Name	Volume(Negative Sample)	Tests
MRM-Z00SF0	Zearalenone in Corn Proten	/	50/100 g
MRM-Z00CF0	ZEN in Chicken Feed	/	50/100 g
MRM-Z00C00	Zearalenone in Corn	30-1000µg/kg; >1000µg/kg	50/100 g
MRM-Z00BR0	Zearalenone in Brown Rice	30-50µg/kg; 50-100µg/kg; 200-300µg/kg; 300-500µg/kg	50/100 g
MRM-Z00BO0	Zearalenone in Blended Vegetable Oil	/	50/100 g
MRM-D00F00	Deoxynivalenol in Flour	/	50/100 g
MRM-D00W00	Deoxynivalenol in Wheat	60-3000µg/kg; >3000µg/kg	50/100 g
MRM-D00CO0	Deoxynivalenol in Corn Oil	/	50/100 g
MRM-D00CF0	Deoxynivalenol in Chicken Feed	/	50/100 g
MRM-D00C00	Deoxynivalenol in Corn	60-3000µg/kg; >3000µg/kg	50/100 g
MRM-D00BR0	Deoxynivalenol in Brown Rice	300-500µg/kg	50/100 g
MRM-F00W00	Fumonisin B1, B2, B3 in Wheat	500-2000µg/kg	50/100 g
MRM-F00C00	Fumonisin B1, B2, B3 in Corn	300-500µg/kg; 500-1000µg/kg; 1000-2000µg/kg; 2000-5000µg/kg; >5000µg/kg; 500-1000µg/kg; >10000µg/kg	50/100 g
MRM-F00BR0	Fumonisin B1, B2, B3 in Brown Rice	1000-2000µg/kg	50/100 g
MRM-O00W00	Ochratoxin in Wheat	2-50µg/kg; >50µg/kg	50/100 g
MRM-O00CP0	Ochratoxin A in Chili Powder	/	50/100 g
MRM-O00CF0	Ochratoxin A in Chicken Feed	/	50/100 g
MRM-O00C00	Ochratoxin in Corn	2-50µg/kg; >50µg/kg	50/100 g
MRM-O00AW0	Ochratoxin A in Wine	/	50/100 g
MRM-O00BR0	Ochratoxin A in Brown Rice	10-30µg/kg	50/100 g
MRM-T00C00	T-2 Toxin in Corn	/	50/100 g
MRM-H00W00	HT-2 & T-2 Toxin in Wheat	30-500µg/kg	50/100 g
MRM-H00C00	HT-2 & T-2 Toxin in Corn	30-100µg/kg; 100-300µg/kg; 300-500µg/kg	50/100 g
MRM-H00BR0	HT-2 & T-2 Toxin in Brown Rice	30-100µg/kg	50/100 g
MRM-P00AJ0	Patulin in Apple Juice	/	50/100 g
MRM-M00IF0	Melamine in Infant Formula	/	50/100 g
MRM-T01SMM	Tetrodotoxin in Textured Snail Meat	/	50/100 g
MRM-T01PFP	Tetrodotoxin in Puffer Fish Meat - dried down	/	50/100 g
MRM-T01PFM	Tetrodotoxin in Puffer Fish Meat	/	50/100 g
MRM-B00C00	Beauvericin in Corn	/	50/100 g
MRM-B00BR0	Beauvericin in Brown Rice	/	50/100 g

## Pribolab® Matrix Reference Materials

General Specifications:50/100g. All standards can be customized according to client needs.

Cat. No.	Product Name	Volume(Negative Sample)	Tests
MRM-B00R00	Benzopyrene in Rice flour	/	50/100 g
MRM-BE0B00	Benzopyrene in Edible Oil	/	50/100 g
MRM-AL0W00	Alternaria Toxins in Wheat	30-50µg/kg	50/100 g
MRM-AL0SC0	Alternaria Toxins in Adlay Powder	/	50/100 g
MRM-AL0C00	Alternaria Toxins in Corn	30-50µg/kg	50/100 g
MRM-AL0BR0	Alternaria Toxins in Brown Rice	30-50µg/kg	50/100 g
MRM-DT0C00	DON、3-DON、15-DON in Corn	/	50/100 g
MRM-F01C00	FB1 in Corn	/	50/100 g
MRM-H01W00	Hardness index in Wheat	/	50/100 g
MRM-ZD0C00	Zearalenone、Deoxynivalenol in Corn Oil	/	50/100 g
MRM-ZD0C00	Zearalenone、Deoxynivalenol in Corn	/	50/100 g
MRM-AO0CP0	AFB1, AFB2, AFG1, AFG2、OTA in Chili Powder	/	50/100 g
MRM-AZ0W00	AFB1, ZEN, DON in Wheat flour	/	50/100 g
MRM-AZ0C00	AFB1, AFB2, AFG1, AFG2, ZEN in Corn	/	50/100 g
MRM-AZ0BR0	AFB1, AFB2, AFG1, AFG2, ZEN in Brown Rice	/	50/100 g
MRM-AZ0B00	AFB1, AFB2, AFG1, AFG2, ZEN in Blended Vegetable Oil	/	50/100 g
MRM-H00T00	HT-2 & T-2 Toxin in Tea	/	50/100 g
MRM-MT00C00	AFB1, ZEN, DON, FB1, FB2, FB3, OTA, HT-2, T-2 toxins in Corn	/	50/100 g
MRM-MT01C00	AFB1, ZEN, FB1, FB2, FB3 in Corn	/	50/100 g
MRM-MT02SS0	Aflatoxin B1, B2, G1, G2, ZEN, DON, OTA, FB1, FB2, FB3, T-2, HT-2 toxins in Sunflower Oil	/	50/100 g
MRM-MT02RO0	Aflatoxin B1, B2, G1, G2, ZEN, DON, OTA, FB1, FB2, FB3, T-2, HT-2 toxins in Rice Oil	/	50/100 g
MRM-MT02C00	Zearalenone、Deoxynivalenol、FB1, FB2, FB3 in Corn	/	50/100 g
MRM-MT03W00	AFB1, AFB2, AFG1, AFG2、ZEN、DON in Wheat flour	/	50/100 g
MRM-MT03SC0	Mycotoxin in Adlay powder	/	50/100 g
MRM-MT03C00	AFB1, AFB2, AFG1, AFG2、ZEN、DON in Corn	/	50/100 g
MRM-MT04W00	AFB1, AFB2, AFG1, AFG2, ZEN ,OTA in Wheat flour	/	50/100 g
MRM-MT04C00	AFB1, AFB2, AFG1, AFG2, ZEN ,OTA in Corn	/	50/100 g
MRM-MT05SS0	AFB1, AFB2, AFG1, AFG2, ZEN , DON,OTA in Sunflower Oil	/	50/100 g
MRM-MT05RO0	Aflatoxin B1, B2, G1, G2, ZEN, DON, OTA in Rice Oil	/	50/100 g
MRM-MT06BW0	ZEN、OTA、AOH、AME、TEA、TEN in Whole buckwheat flour	/	50/100 g

General Specifications:50/100g. All standards can be customized according to client needs.

Cat. No.	Product Name	Volume(Negative Sample)	Tests
MRM-MT07RC0	ZEN、DON,Enniatin(B1、B2、A1、A) AOH、AME、TEA、TEN in Whole rye flour	/	50/100 g
MRM-MT08P01	AFB1, AFB2, AFG1, AFG2、ZEN、DON、FB1, FB2, FB3、OTA、HT-2、T-2 in Corn	/	50/100 g
MRM-MT09W00	AFB1, AFB2, AFG1, AFG2, ZEN ,DON、NIV、3-DON、15-DON、FB1、FB2、FB3、OTA、HT-2、T-2、ST in Wheat flour	/	50/100 g
MRM-MT10W00	ZEN ,DON、NIV、3-DON、15-DON、HT-2、T-2、AOH、AME、TEA、TEN in Wheat flour	/	50/100 g
MRM-MT11SC0	AFB1, AFB2, AFG1, AFG2, ZEN ,DON、3-DON、15-DON、FB1、FB2, FB3、OTA、AOH、AME、TEA、TEN in Adlay powder	/	50/100 g
MRM-MT11C00	AFB1, AFB2, AFG1, AFG2, ZEN ,DON、3-DON、15-DON、FB1、FB2, FB3、OTA、AOH、AME、TEA、TEN in Corn	/	50/100 g
MRM-MT12W00	AFB1, AFB2, AFG1, AFG2、ZEN ,DON、NIV、3-DON、15-DON、FB1、FB2, FB3、OTA、HT-2、T-2、ST in Wheat flour	/	50/100 g
MRM-MT13W00	AFB1, AFB2, AFG1, AFG2, ZEN ,DON、NIV、3-DON、15-DON、D3G、FB1、FB2、FB3、OTA、HT-2、T-2、ST、AOH、AME、TEA、TEN in Wheat	/	50/100 g
MRM-MT13C00	AFB1, AFB2, AFG1, AFG2, ZEN ,DON、NIV、3-DON、15-DON、D3G、FB1、FB2、FB3、OTA、HT-2、T-2、ST、AOH、AME、TEA、TEN in Corn	/	50/100 g
MRM-MT14C00	AFB1, AFB2, AFG1, AFG2、ZEN、DON、NIV、3-DON、15-DON、FB1、FB2、FB3、OTA、HT-2、T-2、AOH、AME、TEA、TEN in Corn	/	50/100 g
MRM-MT15M00	AFB1, AFB2, AFG1, AFG2、ZON、ZAN、α-ZOL、β-ZOL、α-ZAL、β-ZAL、OTA in Milk	/	50/100 g

②AOZ—Aflatoxin、Deoxynivalenol、Zearalenone、T-2 Toxin、HT-2 Toxin、Fumonisin

## PriboFast® ELISA Kits

### Application

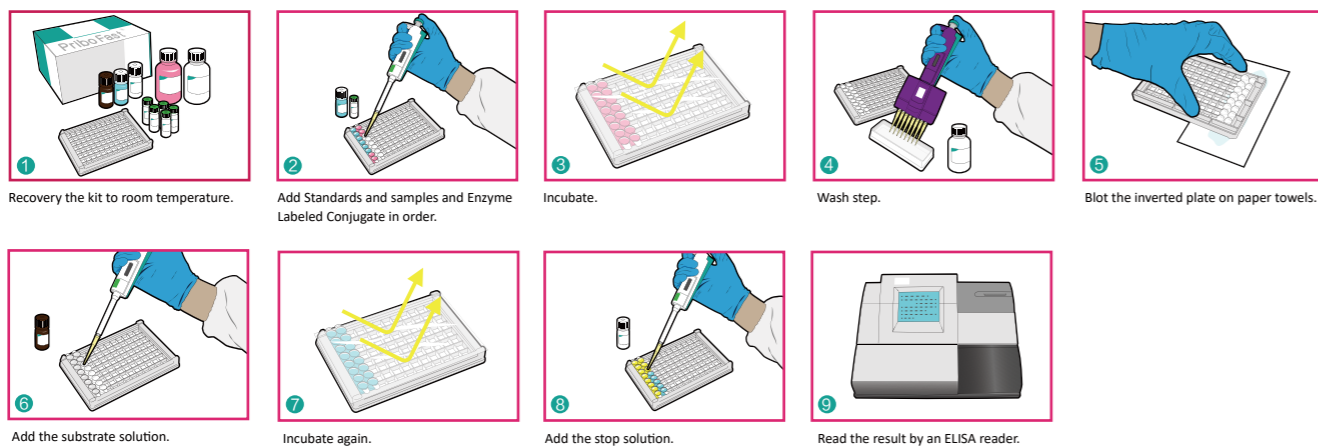
Enzyme-linked immunosorbent assay (ELISA) is a quick and convenient method to quantitatively and qualitatively detect a specific mycotoxin in a sample extract. At present, the ELISA method has been included in food standard regulations by many countries to detect mycotoxins in food and grains. Pribolab has successfully developed ELISA products for a variety of toxins, such as AFT total, AFM1, ZEN, DON, OTA, etc.



### Product Advantages

- ✓ Indirect competition or direct competition ELISA methods
- ✓ Low %RSD of within-batch and between-batch precision
- ✓ Meet the relevant regulations and limit of quantitation requirements
- ✓ High sensitivity and recovery rate
- ✓ Simple and easy operation

### Assay Procedures



### PriboFast® ELISA Kits

Cat. No.	Product Name	Sensitivity(µg/kg)	Standard Curve Range (µg/kg)	Tests
EKT-010	Aflatoxin B1 ELISA Kit	0.15	0-3.0	48/96 T
EKT-010Q	Aflatoxin B1 Quick ELISA Kit	0.1	0-3.0	48/96 T
EKT-011	Aflatoxin Total ELISA Kit	0.15	0-2.5	48/96 T
EKT-011Q	Aflatoxin Total Quick ELISA Kit	0.1	0-3.0	48/96 T
EKT-012H	Aflatoxin M1 ELISA Kit	4.5-40.5ppt	0-0.405	48/96 T
EKT-020	Zearalenone ELISA Kit	0.5	0-13.5	48/96 T
EKT-030	Deoxynivalenol ELISA Kit	10	0-270	48/96 T
EKT-030Q	Deoxynivalenol ELISA Kit	75	0-270	48/96 T
EKT-031	Deoxynivalenol ELISA Kit (6 Standards)	75	0-300	48/96 T
EKT-040	Ochratoxin A ELISA Kit	0.2	0-16.2	48/96 T
EKT-050	Fumonisin B1 ELISA Kit	1	0-70	48/96 T
EKT-051	Fumonisin Total ELISA Kit	200	0-162	48/96 T
EKT-060	T-2 Toxin ELISA Kit	0.2	0-16.2	48/96 T
EKT-061	HT2/T-2 Toxin ELISA Kit	/	/	48/96 T
EKT-070	Citrinin Toxin ELISA Kit	0.2	0-6	48/96 T
EKT-090Q	Melamine Quick ELISA Kit	1	0-60	48/96 T

### PriboStrip™ Rapid Test Strips

#### Application

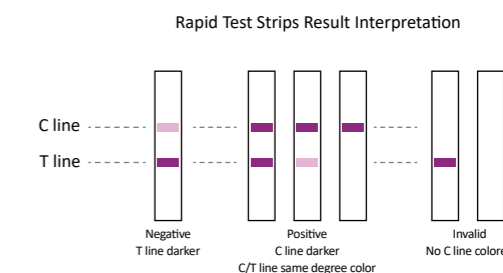
A colloidal gold-based immunochromatographic assay is an effective screening method with highly specific and rapid testing advantages. Pribolab has successfully developed two types of strips, qualitative or quantitative rapid test strips, for a variety of mycotoxins, such as AFT total, AFM1, ZEN, DON, OTA, etc.



#### Product Advantages

- ✓ Rapid Detection (<12 min)
- ✓ Qualitative or quantitative testing
- ✓ Applicable for mycotoxin residues in food, dairy products, feed, etc.
- ✓ High sensitivity, easy to read results

#### Operation Procedures



### PriboStrip™ Qualitative Rapid Test Strips

Cat. No.	Product Name	Sensitivity(µg/kg)	Tests
PRS-010	Aflatoxin B1 Rapid Test Strip	5	25/50 T
PRS-010-Oil	Aflatoxin B1 Rapid Test Strip (Oil)	10	25/50 T
PRS-011	Aflatoxin Total Rapid Test Strip	5	25/50 T
PRS-012	Aflatoxin M1 Rapid Test Strip	0.3	25/50 T
PRS-012H	Aflatoxin M1 Rapid Test Strip High (Sensitivity)	0.05	25/50 T
PRS-013	Aflatoxin B1 Rapid Test Strip (TCM)	2.5	48/96 T
PRS-020	Zearalenone Rapid Test Strip	20	25/50 T
PRS-030	Deoxynivalenol Rapid Test Strip	100	25/50 T
PRS-040	Ochratoxin Rapid Test Strip	5	25/50 T
PRS-050	Fumonisin Rapid Test Strip	300	25/50 T

## PriboStrip™ Quantitative Rapid Test Strips

Cat. No.	Product Name	Detection Range( $\mu\text{g}/\text{kg}$ )	Tests
PRS-010Q-TC	Aflatoxin B <sub>1</sub> Quantitative Rapid Test Strip	3-100	25/50 T
PRS-020Q-TC	Zearalenone Quantitative Rapid Test Strip	20-500	25/50 T
PRS-030Q-TC	Deoxynivalenol Quantitative Rapid Test Strip	100-4000	25/50 T

Lateral Flow Reader-TC



Cat. No.	Product Name	Detection Range( $\mu\text{g}/\text{kg}$ )	Tests
PRS-010Q-FD I	Aflatoxin B <sub>1</sub> Fluorescent Quantitative Rapid Test Strip	1-50	50/100 T
PRS-011Q-FD I	Aflatoxin B <sub>1</sub> Fluorescent Quantitative Rapid Test Strip	1-150	50/100 T
PRS-012Q-FD I	Aflatoxin M <sub>1</sub> Fluorescent Quantitative Rapid Test Strip	/	50/100 T
PRS-020Q-FD I	Zearalenone Fluorescent Quantitative Rapid Test Strip	10-1000	50/100 T
PRS-030Q-FD I	Deoxynivalenol Fluorescent Quantitative Rapid Test Strip	100-6000	50/100 T
PRS-031Q-FD I	Deoxynivalenol Fluorescent Quantitative Rapid Test Strip(water extraction)	100-5000	50/100 T
PRS-040Q-FD I	Ochratoxin Fluorescent Quantitative Rapid Test Strip	1-500	50/100 T
PRS-050Q-FD I	Fumonisin Fluorescent Quantitative Rapid Test Strip	100-20000	50/100 T
PRS-060Q-FD I	T-2 Fluorescent Quantitative Rapid Test Strip	5-500	50/100 T



Thermomixer comfort-FD I



Fluorescent Quantitative Detector-FD I

## Cyanotoxins and Marine Toxins



Marine toxins (including cyanotoxins) are an important branch of biotoxins. They are mainly produced by cyanobacteria, microalgae, lower plants (e.g., phytoplankton), microorganisms, and enriched in fish, shellfish and other marine animals through the food chain. These toxins are colorless and odorless, people when intake seafood contaminated by the toxins will suffer from food poisoning, and fish that eat the algae containing these toxins will also cause a large number of deaths. Cyanotoxins and marine toxins not only affect human health, but also adversely affects fishery production, environmental protection and marine tourism.

Pribolab offers a wide range of marine toxins detection products, including immunoaffinity columns, reference materials, <sup>15</sup>N stable isotope internal standards, ELISA kits, and so on.

## PriboFast® Immunoaffinity Columns (IAC)



Cat. No.	Product Name	Volume	Tests
IAC-M10-3	Tetrodotoxin (TTX) IAC	3 mL	25/50 T
IAC-M20-3	Microcystin (MC) IAC	3 mL	25/50 T
IAC-M30-3	Anatoxin (ATX) Immunoaffinity Column	3 mL	25/50 T
IAC-M40-3	β-N-methylamino-L-alanine(BMAA) Immunoaffinity Column	3 mL	25/50 T
IAC-M50-3	Aphantoxin(ATX) Immunoaffinity Column	3 mL	25/50 T
IAC-M60-3	Paralytic Shellfish Poisoning (PSP) IAC	3 mL	25/50 T
IAC-M70-3	Diarrhetic Shellfish Poisoning (DSP) IAC	3 mL	25/50 T
IAC-M80-3	Neurotoxic shellfish poisoning (NSP) IAC	3 mL	25/50 T
IAC-M90-3	Amnesic Shellfish Poisoning (ASP) IAC	3 mL	25/50 T
IAC-M100-3	Cylindrospermopsin (CYN) Immunoaffinity Column	3 mL	25/50 T
IAC-M110-3	Nodularin (NOD) Immunoaffinity Column	3 mL	25/50 T
IAC-M120-3	Ciguatoxin (CTX) Immunoaffinity Column	3 mL	25/50 T
IAC-M130-3	Pectenotoxin (PTX) Immunoaffinity Column	3 mL	25/50 T
IAC-M140-3	Azaspiracid (AZA) Immunoaffinity Column	3 mL	25/50 T
IAC-M150-3	Conotoxin (CON) Immunoaffinity Column	3 mL	25/50 T

## Pribolab® Solid and Liquid Standards



### Pribolab® Solid Standards

General Specifications: 0.025/0.1/0.5/1 mg. All standards can be customized according to client needs.

Cat. No.	Product Name	CAS No.	Cat. No.	Product Name	CAS No.
MSS3001	Microcystin LR	101043-37-2	MSS3008	Microcystin WR	138234-58-9
MSS3002	Microcystin RR	111755-37-4	MSS3009	Tetrodotoxin	4368-28-9
MSS3003	Microcystin YR	101064-48-6	MSS3010	Desmethyl Microcystin LR	—
MSS3004	Microcystin LW	157622-02-1	MSS3011	Desmethyl Microcystin RR	—
MSS3005	Microcystin LF	154037-70-4	MSS3012	Microcystin HtyR	478001-08-0
MSS3006	Microcystin LA	96180-79-9	MSS3013	Microcystin HiIR	169789-55-3
MSS3007	Microcystin LY	123304-10-9	MSS3014	Anatoxin	64285-06-9

General Specifications: 0.025/0.1/0.5/1 mg. All standards can be customized according to client needs.

Cat. No.	Product Name	CAS No.	Cat. No.	Product Name	CAS No.
MSS3015	Cylindrospermopsin	143545-90-8	MSS3207	Okadaic Acid	78111-17-8
MSS3016	Nodularin	118399-22-7	MSS3208	Pectenotoxin 2	97564-91-5
MSS3017	β-N-Methylamino-L-alanine	15920-93-1	MSS3209	Pinnatoxin-G	1312711-74-2
MSS3018	Microcystin HtyR-dried down	—	MSS3210	13-desmethylspirolide C	334974-07-1
MSS3019	Desmethyl Desmethyl Microcystin LR	120011-66-7	MSS3211	Yessotoxin	112514-54-2
MSS3101	Saxitoxin diacetate	35554-08-6	MSS3212	Homo-yessotoxin	196309-94-1
MSS3102	Decarbamoylsaxitoxin	58911-04-9	MSS3213	Biliatresone	1801433-90-8
MSS3103	Neosaxitoxin	64296-20-4	MSS3301	Brevetoxin A (brevetoxin1)	98112-41-5
MSS3104	Decarbamoylneosaxitoxin	68683-58-9	MSS3302	Brevetoxin B (brevetoxin2)	79580-28-2
MSS3105	Gonyautoxin 1&4	60748-39-2	MSS3303	Brevetoxin 3	82983-92-4
MSS3106	Gonyautoxin 2&3	60508-89-6	MSS3304	Brevetoxin 6	—
MSS3107	Gonyautoxin 5	64296-25-9	MSS3305	Brevetoxin 7	—
MSS3108	Gonyautoxin 6	82810-44-4	MSS3306	Brevetoxin 9	—
MSS3109	N-sulfocarbamoyl-gonyautoxin2&3	—	MSS3307	Brevetoxin 10	—
MSS3110	Decarbamoylgonyautoxin 2&3	—	MSS3401	Ciguatoxin 1	11050-21-8
MSS3111	Carbamoylgonyautoxin 3	—	MSS3402	Ciguatoxin 2	142185-85-1
MSS3201	Azaspiracid-1	214899-21-5	MSS3403	Ciguatoxin 3	148471-85-6
MSS3202	Azaspiracid 2 (8-Methylazaspiracid)	265996-92-7	MSS3404	Maitotoxin	59392-53-9
MSS3203	Azaspiracid 3 (22-Demethylazaspiracid)	265996-93-8	MSS3501	Domoic Acid	14277-97-5
MSS3204	Dinophysistoxins 1	81720-10-7	MSS3601	Latrunculin A	76343-93-6
MSS3205	Dinophysistoxins 2	139933-46-3	MSS3701	ω-conotoxin GVIA	106375-28-4
MSS3206	Gymnodimine	173792-58-0	MSS3702	μ-Conotoxin	936616-33-0

### Pribolab® Liquid Standards

General Specifications: 0.5/1 mL. All standards can be customized according to client needs.

Cat. No.	Product Name
STD#M001	Microcystin LR (10 µg/mL) in Methanol
STD#M002	Microcystin RR (10 µg/mL) in Methanol
STD#M003	Microcystin YR (10 µg/mL) in Aqueous methanol
STD#M004	Microcystin LW (10 µg/mL) in Aqueous methanol
STD#M005	Microcystin LF (10 µg/mL) in Aqueous methanol
STD#M006	Microcystin LA (10 µg/mL) in Aqueous methanol
STD#M007	Microcystin LY (10 µg/mL) in Aqueous methanol

## Pribolab® Liquid Standards

General Specifications: 0.5/1 mL. All standards can be customized according to client needs.

Cat. No.	Product Name
STD#M008	Microcystin WR (5 µg/mL) in Aqueous methanol
STD#M009	Tetrodotoxin (20 µg/mL) in Aqueous acetic acid
STD#M010	Desmethyl Microcystin LR (10 µg/mL) in Aqueous methanol
STD#M011	Desmethyl Microcystin RR (10 µg/mL) in Aqueous methanol
STD#M012	Microcystin HtyR (10 µg/mL) in Aqueous methanol
STD#M013	Microcystin HilR (10 µg/mL) in Methanol
STD#M014	Anatoxin (5 µg/mL) in Aqueous methanol
STD#M015	Cylindrospermopsin (10 µg/mL) in Aqueous methanol
STD#M016	Nodularin (10 µg/mL) in Aqueous methanol
STD#M017	β-N-Methylamino-L-alanine (10 µg/mL) in Aqueous methanol
STD#M018	Microcystin LR (100 µg/mL) in Methanol
STD#M019	Microcystin RR (100 µg/mL) in Methanol
STD#M020	7-epi-Cylindrospermopsin (5 µg) in supplied dry
STD#M026	Microcystin YR (10 µg/mL) in Methanol
STD#M027	Microcystin LR, RR, YR, LW, LF, LA, LY, WR (5 µg/mL)
STD#M028	Microcystin LR, RR, YR (10 µg/mL)
STD#M029	Homo-anatoxin-a (10 µg/mL)/ (0.1%, formic acid)
STD#M030	Dihydroanatoxin-a cis (10 µg/mL) / Water
STD#M101	Saxitoxin dihydrochloride (25 µg/mL) in Aqueous hydrochloric acid
STD#M102	Decarbamoylsaxitoxin dihydrochloride (21.37 µg/mL) in Aqueous hydrochloric acid
STD#M103	Necarbamoylneosaxitoxin (20 µg/mL) in Aqueous hydrochloric acid
STD#M104	Decarbamoylneosaxitoxin dihydrochloride (10 µg/mL) in Aqueous hydrochloric acid
STD#M105	Gonyautoxin 1 (23.53 µg/mL), Gonyautoxin 4 (7.40 µg/mL) in Aqueous hydrochloric acid
STD#M106	Gonyautoxin 2 (40.56 µg/mL), Gonyautoxin 3 (17.2 µg/mL) in Aqueous hydrochloric acid
STD#M107	Gonyautoxin 5 (20 µg/mL) in Aqueous acetic acid
STD#M108	Gonyautoxin 6 (5 µg/mL) in Aqueous acetic acid
STD#M109	N-sulfocarbamoyl-gonyautoxin2&3 in Aqueous acetic acid
STD#M110	Decarbamoylgonyautoxin 2 (35.26 µg/mL) Decarbamoylgonyautoxin 3 (10.36 µg/mL) in Aqueous hydrochloric acid
STD#M111	Carbamoylgonyautoxin 3 in Aqueous hydrochloric acid
STD#M113	N-sulfocarbamoyl-gonyautoxin1 (53.9µg/mL)&2 (16.1µg/mL)
STD#M201	Azaspiracid-1 (1.3µg/mL) in Methanol
STD#M202	Azaspiracid 2 (8-Methylazaspiracid) (1.22 µg/mL) in Methanol

General Specifications: 0.5/1 mL. All standards can be customized according to client needs.

Cat. No.	Product Name
STD#M203	Azaspiracid 3 (22-Demethylazaspiracid) (1.18 µg/mL) in Methanol
STD#M204	Dinophysistoxins 1 (10 µg/mL) in Methanol
STD#M205	Dinophysistoxins 2 (3.78 µg/mL) in Methanol
STD#M206	Gymnodimine (2.5 µg/mL) in Methanol
STD#M207	Okadaic Acid (10 µg/mL) in Methanol
STD#M208	Pectenotoxin 2 (4.40 µg/mL) in Methanol
STD#M209	Pinnatoxin-G (2 µg/mL) in Methanol/Acetic acid
STD#M210	13-desmethylspirolide C (5 µg/mL) in Methanol/Trifluoroacetic acid
STD#M211	Yessotoxin (5 µg/mL) in Methanol
STD#M212	Homo-yessotoxin (5.8 µg/mL) in Methanol
STD#M220	Proto-polycyanic acid shellfish toxins (0.5µg/mlAZA1, 0.25µg/mlAZA2, 0.25µg/mlAZA3) in Methanol
STD#M301	Brevetoxin A in Methanol
STD#M302	Brevetoxin B in Methanol
STD#M303	Brevetoxin 3 in Methanol
STD#M304	Brevetoxin 6 in Methanol
STD#M305	Brevetoxin 7 in Methanol
STD#M306	Brevetoxin 9 in Methanol
STD#M307	Brevetoxin 10 in Methanol
STD#M401	Ciguatoxin 1 in Methanol
STD#M402	Ciguatoxin 2 in Methanol
STD#M403	Ciguatoxin 3 in Methanol
STD#M404	Maitotoxin in Methanol
STD#M405	Ciguatoxin 3C in Methanol
STD#M501	Domoic Acid (100 µg/mL) in Acetonitrile/Water

## Pribolab® 15N Stable Isotope Labeled Internal Standards



## Pribolab® <sup>15</sup>N Stable Isotope Labeled Internal Standards

General Specifications: 0.5/1 mL. All standards can be customized according to client needs.

Cat. No.	Product Name
STD#M001U	U-[ <sup>15</sup> N <sub>10</sub> ]-Microcystin LR-10 µg/mL-Aqueous methanol
STD#M002U	U-[ <sup>15</sup> N <sub>13</sub> ]-Microcystin RR-10 µg/mL-Aqueous methanol
STD#M003U	U-[ <sup>15</sup> N <sub>10</sub> ]-Microcystin YR-10 µg/mL-Aqueous methanol
STD#M004U	U-[ <sup>15</sup> N <sub>7</sub> ]-Microcystin LW-10 µg/mL-Aqueous methanol
STD#M005U	U-[ <sup>15</sup> N <sub>7</sub> ]-Microcystin LF-10 µg/mL-Aqueous methanol
STD#M006U	U-[ <sup>15</sup> N <sub>7</sub> ]-Microcystin LA-10 µg/mL-Aqueous methanol
STD#M007U	U-[ <sup>15</sup> N <sub>7</sub> ]-Microcystin LY-10 µg/mL-Aqueous methanol
STD#M008U	U-[ <sup>15</sup> N <sub>11</sub> ]-Microcystin WR-10 µg/mL-Aqueous methanol
STD#M009U	U-[ <sup>15</sup> N <sub>10</sub> ]-Microcystin LR-D5, Ethylated-25 µg-supplied dry
STD#M015U	U-[ <sup>15</sup> N <sub>5</sub> ]-Cylindrospermopsin-10 µg/mL- methanol
STD#M017U	U-[ <sup>15</sup> N <sub>2</sub> ]-β-N-Methylamino-L-alanine-10 µg/mL-Aqueous methanol
STD#M018U	U-[D <sup>3</sup> ]-β-N-Methylamino-L-alanine-10µg/mL-Aqueous methanol
STD#M020U	U-[ <sup>15</sup> N <sub>5</sub> ]-7-epi-Cylindrospermopsin-5 µg-supplied dry
STD#M023U	U-[ <sup>15</sup> N <sub>5</sub> ]-7-Cylindrospermopsin-5 µg-supplied dry
STD#M024U	U-[ <sup>15</sup> C <sub>4</sub> ]-(-)-Anatoxin-a- 10 µg/mL
STD#M025U	U-[ <sup>15</sup> C <sub>4</sub> ]-Anatoxin-a -10µg/mL -methanol
STD#M101U	U-[ <sup>15</sup> N <sub>7</sub> ]-Saxitoxin-10 µg/mL-Hydrochloride
STD#M102U	U-[ <sup>15</sup> N <sub>6</sub> ]-Decarbamoylneosaxitoxin-20 µg/mL-Hydrochloride
STD#M103U	U-[ <sup>15</sup> N <sub>7</sub> ]-Neosaxitoxin-10 µg/mL-Hydrochloride

## PriboFast® ELISA Kits

Cat. No.	Product Name	Detection Range (µg/kg)	Tests
EKT-M10	Tetrodotoxin (TTX) ELISA Kit	2-162	96 T
EKT-M20	Microcystin (MC) ELISA Kit	0-5	96 T
EKT-M20-52013	Microcystins Method 546 Accessory Kit	/	96 T
EKT-M30	Anatoxin ELISA Kit	0.15-5	96 T
EKT-M40	β-N-methylamino-L-alanine(BMAA) ELISA Kit	/	96 T
EKT-M60	Paralytic Shellfish Poisoning (PSP) ELISA Kit	40-800	96 T
EKT-M70	Diarrhetic Shellfish Poisoning (DSP) ELISA Kit	50-4050	96 T

## PriboFast® ELISA Kits

Cat. No.	Product Name	Detection Range (µg/kg)	Tests
EKT-M70Abr	Diarrhetic Shellfish Poisoning (DSP) ELISA Kit	10-500	96 T
EKT-M80	Neurotoxic shellfish poisoning (NSP) ELISA Kit	11.25-1125	96 T
EKT-M90	Amnesic Shellfish Poisoning (ASP) ELISA Kit	50-1000	96 T
EKT-M100	Cylindrospermopsin ELISA Kit	/	96 T
EKT-M110	Nodularin ELISA Kit	/	96 T
EKT-M120	yessotoxin ( YTX/HYTX ) ELISA Kit	/	96 T

## Pribolab® Matrix Reference Materials

General Specifications:4/5/10g. All standards can be customized according to client needs.

Cat. No.	Product Name	Concentration (µg/kg)	Tests
MRM-TPFP	Tetrodotoxin in Puffer fish minced freeze-dried powder	<10; 10-30; >30	5 g
MRM-TSMM	Tetrodotoxin in Textured snail meat matrix	<1; 1-5; >5	10 g
MRM-DA	Domoic Acid in Mussel Tissue	98	4g
MRM-AZA	Azaspiracid in Mussel Tissue	/	4g
MRM-DSP1MU-4	Domoic Acid, Dinophysistoxin 1 (DTX1), Dinophysistoxin 2 (DTX2) in Mussel Tissue	/	4g
MRM-NSP	Shellfish Toxins in Mussel Tissue (Negative Sample)	/	4g
MRM-OAD	OA-412.62 µg/kg,DTX1-362.42 µg/kg Diarrhetic Shellfish Poison in Mussel Tissue	/	4g
MRM-DSPBM-4	Domoic Acid, Dinophysistoxin 1 (DTX1), in Blue Mytilus Tissue	/	4g
MRM-DSPPO-4	Domoic Acid, Dinophysistoxin 1 (DTX1), in Oyster Tissue	/	4g
MRM-DSPCH-4	Okadaic acid (OA) and Dinophysistoxin 1 (DTX1) in Farrer scallop meat	/	4g
MRM-HMTCL(N)-10	Marine Toxins in Ruditapes Philippinarum (Negative Sample)	/	10g
MRM-HMTRP(N)-10	Marine Toxins in Clam Meat (Negative Sample)	/	10 g



## Food Allergens



An allergen is a substance that can cause an allergic reaction. FDA released 9 major food allergens according to clinical data in Jan. 2023: (1) Milk; (2) Eggs; (3) Fish; (4)Crustacean and Shellfish; (5) Peanut; (6) Soybean; (7) Tree nuts; (8) Wheat; (9) Sesame. Food allergen problem is the primary reason of food recall events. Besides, potential allergen contamination during food production has become a major concern for food manufacturers, thus, allergen management and control in food companies can minimize the risk of food allergy.

Pribolab provides a variety of rapid and quantitative analysis detection solutions, from gene level testing (RT-PCR, LAMP-PCR) to protein diagnostic technology (ELISA kits, rapid test strips). It is suitable for different demands such as laboratories, on-sites, and production lines, covering each link in the food production process.



## Rapid Test Products



### PriboFast<sup>®</sup> Food Allergen ELISA Kits

#### Application

ELISA method has the advantage of convenience and rapid testing to quantitatively and qualitatively detect a specific protein in a sample extract. Food allergen ELISA kits are series of products are suitable for the detection of allergens in food, raw materials, ingredients, and finished products, and the detection of allergens residues in production lines and environmental check.

#### Test Principle

Double antibody "sandwich" ELISA method means that an antigen is sandwiched between two layers of antibodies. The sandwich ELISA has the highest sensitivity among all the ELISA types.

#### Product Advantages

- ✓ High sensitivity and recovery rate
- ✓ Low cross-reaction
- ✓ Good accuracy and precision
- ✓ Convenient operation



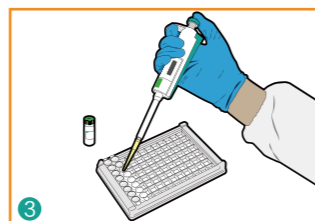
### Assay Procedures



1 Recovery the kit to room temperature.



2 Prepare appropriate strips.



3 Add Standards and samples in order.



4 Incubate.



5 Wash step.



6 Add Enzyme Labeled Conjugate.



7 Incubate.



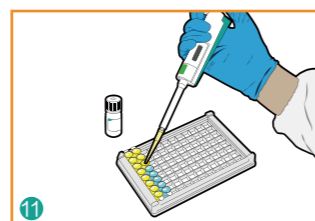
8 Wash step.



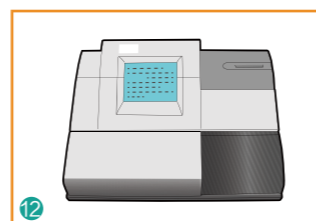
9 Add the substrate solution.



10 Incubate.



11 Add the stop solution.



12 Read the result by an ELISA reader.

### PriboFast® Food Allergen ELISA Kits

Milk			
Cat. No.	Product Name	Sensitivity (µg/kg)	Tests
EKT-CA61	Casein (Bovine milk) ELISA Kit	0.2-6.0 mg/kg (µg/100 cm <sup>2</sup> )	96 T
EKT-L60	β-Lactoglobulin (Bovine milk) ELISA Kit	10-400 µg/kg (ng/100 cm <sup>2</sup> )	96 T
EKT-ML60	Milk (Casein/β-Lactoglobulin) ELISA Kit	0.4-10 mg/kg (µg/100 cm <sup>2</sup> )	96 T

Fish			
Cat. No.	Product Name	Sensitivity (µg/kg)	Tests
EKT-F40	Fish (Parvalbumin) ELISA Kit	4-100 mg/kg (µg/100 cm <sup>2</sup> )	96 T

### PriboFast® Food Allergen ELISA Kits

Eggs			
Cat. No.	Product Name	Sensitivity (µg/kg)	Tests
EKT-E30	Egg ELISA Kit	15-500mg/kg (ng/100 cm <sup>2</sup> )	96 T
EKT-E40	Egg White (Ovomucoid) ELISA Kit	0.4-10 mg/kg (µg/100 cm <sup>2</sup> )	96 T
EKT-LY20	Lysozyme ELISA Kit	25-250 µg/kg (ng/100 cm <sup>2</sup> )	96 T
EKT-OV20	Ovalbumin ELISA Kit	20-400 µg/kg (ng/100 cm <sup>2</sup> )	96 T

Crustacean and Shellfish			
Cat. No.	Product Name	Sensitivity (µg/kg)	Tests
EKT-CR90	Crustaceans Tropomyosin ELISA Kit	5-250 µg/kg (ng/100 cm <sup>2</sup> )	96 T

Peanuts			
Cat. No.	Product Name	Sensitivity (µg/kg)	Tests
EKT-PN20	Peanut ELISA Kit	1-40 mg/kg (µg/100 cm <sup>2</sup> )	96 T

Tree Nuts			
Cat. No.	Product Name	Sensitivity (µg/kg)	Tests
EKT-A10	Almond ELISA Kit	0.4-10 mg/kg (µg/100 cm <sup>2</sup> )	96 T
EKT-BN10	Brazil Nut ELISA Kit	1-40 mg/kg (µg/100 cm <sup>2</sup> )	96 T
EKT-CA70	Cashew ELISA Kit	2-60 mg/kg (µg/100 cm <sup>2</sup> )	96 T
EKT-CN10	Coconut ELISA Kit	2-30 mg/kg (µg/100 cm <sup>2</sup> )	96 T
EKT-H110	Hazelnut ELISA Kit	1-40 mg/kg (µg/100 cm <sup>2</sup> )	96 T
EKT-MN10	Macadamia Nut ELISA Kit	1-40 mg/kg (µg/100 cm <sup>2</sup> )	96 T
EKT-PC20	Pecan Nut ELISA Kit	2-60 mg/kg (µg/100 cm <sup>2</sup> )	96 T
EKT-PT20	Pistachio ELISA Kit	1-40 mg/kg (µg/100 cm <sup>2</sup> )	96 T
EKT-WA20	Walnut ELISA Kit	2-60 mg/kg (µg/100 cm <sup>2</sup> )	96 T

## PriboFast® Food Allergen ELISA Kits

Wheat			
Cat. No.	Product Name	Sensitivity (µg/kg)	Tests
EKT-GL30	Gluten/Gliadin ELISA Kit	2-60 mg/kg (µg/100 cm <sup>2</sup> )	96 T
EKT-BW30	Buckwheat ELISA Kit	Coming Soon	96 T

Soybeans			
Cat. No.	Product Name	Sensitivity (µg/kg)	Tests
EKT-S050	Soy ELISA Kit	40-1000 µg/kg (ng/100 cm <sup>2</sup> )	96 T
EKT-S051	Soy ELISA Kit	2-40mg/kg (µg/100 cm <sup>2</sup> )	96 T

Sesame			
Cat. No.	Product Name	Sensitivity (µg/kg)	Tests
EKT-SE20	Sesame ELISA Kit	2-30 mg/kg (µg/100 cm <sup>2</sup> )	96 T

Other Food Allergens			
Cat. No.	Product Name	Sensitivity (µg/kg)	Tests
EKT-HI20	Histamine ELISA Kit	2-72 µg/kg (ng/100 cm <sup>2</sup> )	96 T
EKT-LU10	Lupine ELISA Kit	2-30 mg/kg (µg/100 cm <sup>2</sup> )	96 T
EKT-MU20	Mustard ELISA Kit	2-60 mg/kg (µg/100 cm <sup>2</sup> )	96 T
EKT-C80	Celery ELISA Kit	Coming Soon	96 T

## PriboStrip™ Food Allergen Rapid Test Strips

### Application

The strip is highly specific, detecting specific allergen protein, and does not show any non-specific reactions with other mycotoxin molecules.



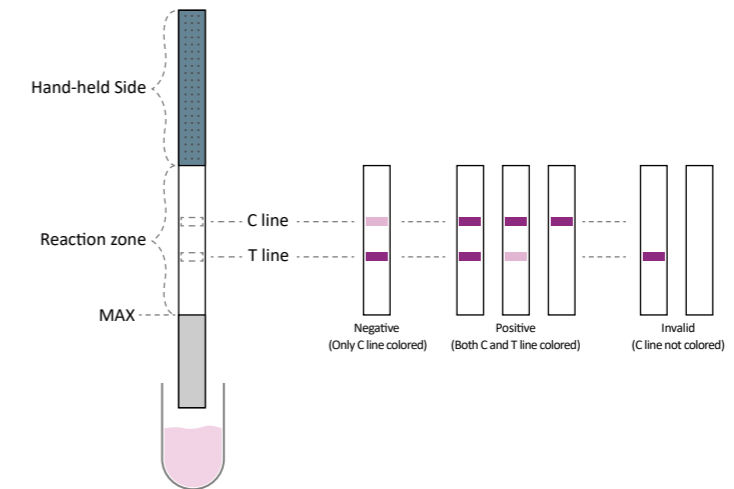
### Test Principle

- ▷ A colloidal gold-based immunochromatographic assay is an effective screening method and developed with two monoclonal antibodies (McAbs) to detect target allergen protein.
- ▷ Swabs: BCA Method, the reduction of copper ions by proteins, it is a classic method for protein qualification.

### Product Advantages

- ✓ Easy operation, rapid Detection (<12 min)
- ✓ Qualitative analysis
- ✓ Applicable for both food and environmental test in food, dairy products, feed, etc.
- ✓ High sensitivity, easy to read results

### Result Reading



## PriboStrip™ Qualitative Rapid Test Strips

Tree Nuts			
Cat. No.	Product Name	Sensitivity (Food/Environment)	Tests
PRS-A10	Almond Rapid Test Strip	0.1 mg/kg (0.05 µg/100 cm <sup>2</sup> )	10/20 T
PRS-A20	Peanut Rapid Test Strip	0.1 mg/kg (0.05 µg/100 cm <sup>2</sup> )	10/20 T
PRS-A30	Gluten/Gliadin Rapid Test Strip	0.05 mg/kg (1 µg/100 cm <sup>2</sup> )	10/20 T
PRS-A40	Egg Rapid Test Strip	0.1 mg/kg (0.05 µg/100 cm <sup>2</sup> )	10/20 T
PRS-A50	Soy Rapid Test Strip	1 mg/kg (0.5 µg/100 cm <sup>2</sup> )	10/20 T
PRS-A60	Casein (Bovine milk) Rapid Test Strip	0.1 mg/kg (5 µg/100 cm <sup>2</sup> )	10/20 T
PRS-A70	Buckwheat Rapid Test Strip	0.1 mg/kg (0.05 µg/100 cm <sup>2</sup> )	10/20 T
PRS-A80	Crustaceans Rapid Test Strip	2.0 µg/kg (0.05 µg/100 cm <sup>2</sup> )	10/20 T

## PriboStrip™ Qualitative Rapid Test Strips

Tree Nuts			
Cat. No.	Product Name	Sensitivity (Food/Environment)	Tests
PRS-A90	Fish Rapid Test Strip	0.1-10 mg/kg (0.005 µg/100 cm <sup>2</sup> )	10/20 T
PRS-A100	Mango Rapid Test Strip	0.2 mg/kg (1 µg/100 cm <sup>2</sup> )	10/20 T
PRS-A110	Hazelnut Rapid Test Strip	0.25mg/kg (0.125µg/100cm <sup>2</sup> )	10/20 T
PRS-A120	Sesame Rapid Test Strip	0.2 mg/kg (0.2 µg/100 cm <sup>2</sup> )	10/20 T
PRS-A130	Mollusks Rapid Test Strip	—	10/20 T
PRS-A110	Hazelnut Rapid Test Strip	0.25mg/kg (0.125µg/100cm <sup>2</sup> )	10/20 T
PRS-A60-JT	Casein (Bovine milk) Rapid Test Strip Family Pack	10 mg/kg	10/20 T
PRS-A90-JT	Fish Rapid Test Strip Family Pack	0.01 mg/kg	10/20 T

\*LOD (limit of determination) = sensitivity × dilution ratio

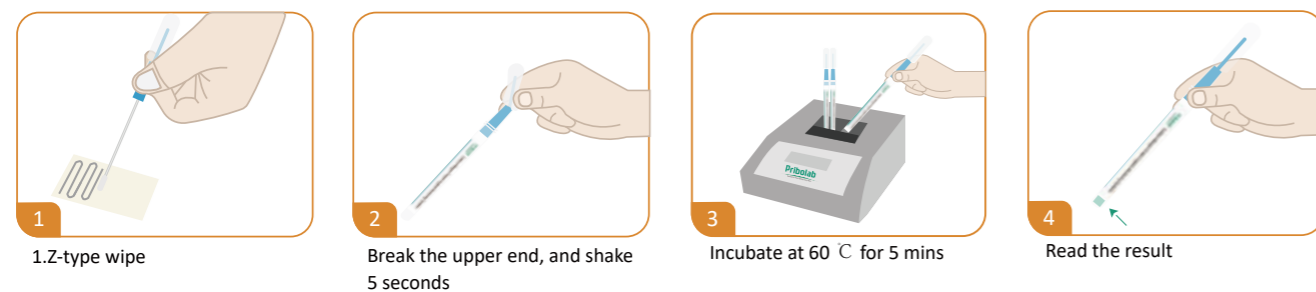
## PriboFast® Surface (Allergen) Protein Hygiene Monitoring Systems



### Result Reading - Color Chart

Clean	Low Pollution	Moderate Pollution	High Pollution

### Operation Procedures



## PriboFast® Surface (Allergen) Protein Hygiene Monitoring Systems

Cat. No.	Product Name	Sensitivity	Tests
RDR-010	Surface Protein Hygiene Monitoring Systems	50 µg	50 T
RDR-020	Surface Allergen Protein Hygiene Monitoring Systems	3 µg	50 T

## PriboFast® Allergic Food LAMP Test Kit

### Application

Pribolab has successfully developed qualitative LAMP test kits, for a variety of allergenic food, such as peanuts, nuts, wheat, soy and sesame, etc.

### Test Principle

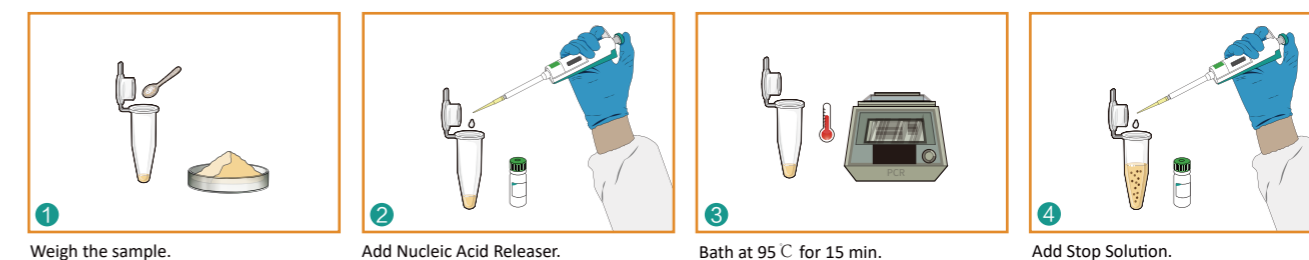
Loop-mediated Isothermal Amplification (LAMP) is a single-tube technique for the amplification of genes and amplifies DNA in the presence of Bst DNA polymerase under isothermal conditions (60-65 °C). Amplification of DNA fragments by one billion or even ten billion times can be achieved.

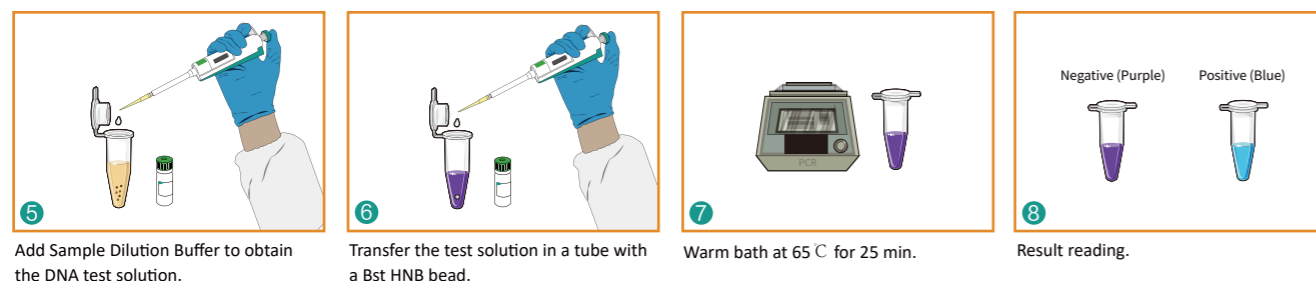
### Product Advantages

- ✓ High specificity and efficiency
- ✓ High sensitivity, low LOD
- ✓ Low cross-reactivity
- ✓ Simple operation, results visualization
- ✓ Customizable combinations for multiple allergies



### Assay Procedures





### PriboFast® Allergic Food LAMP Test Kit

Cat. No.	Product Name	Sensitivity	Storage	Tests
LAMP-PN20	Peanut Ingredient LAMP Test Kit	0.05%	In-stock	24 T
LAMP-SE20	Sesame Ingredient LAMP Test Kit	0.50%	Coming Soon	24 T
LAMP-SO10	Soy Ingredient LAMP Test Kit	0.10%	Coming Soon	24 T
LAMP-BN10	Brazil Nut Ingredient LAMP Test Kit	0.50%	Coming Soon	24 T

### Pribolab® Handheld ATP Fluorescence Detector

#### Application

suitable for rapid detection of microorganisms in food and drinking water, rapid detection of tableware cleanliness, rapid detection of disinfection results of food processing utensils, countertops, catering utensils, etc., and real-time evaluation of medical environment working platform.



Cat. No.	Product Name
EQ-ATP	Handheld ATP Fluorescence Detector
ATP-010	Surface ATP Hygiene Management System
ATP-020	Total Water ATP Hygiene Management System

### Pribolab® Food Allergen Matrix Reference Materials

#### Application

Pribolab provides food allergen matrix reference materials in a variety of matrix samples, effectively helping customers to calibrate food allergen detection methods and verifying the accuracy of laboratory methods. Matrix reference materials are produced under strict quality assurance procedures, and each product comes with an HPLC/GC/MS validated CoA (the Certificate of Analysis).



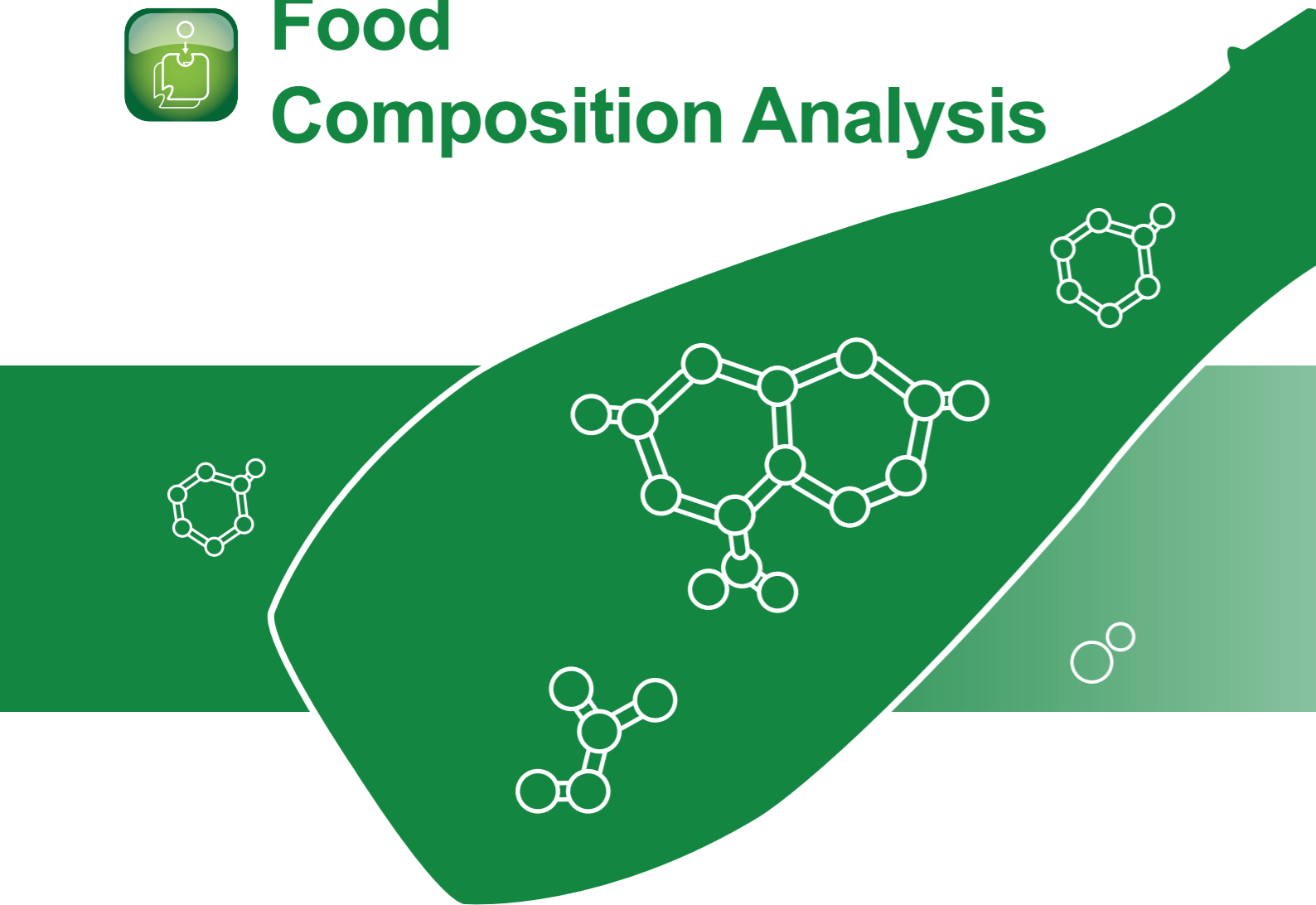
#### Product Advantages

- ✓ High quality
- ✓ Quality assurance through multiple verification methods
- ✓ Homogeneous in liquid or powder forms
- ✓ Available for customer customization

Cat. No.	Product Name	Tests
MRM-AHH	Almonds in Halva or Honey	20/50 g
MRM-CC	Crustaceans in Cereal flour	20/50 g
MRM-CCM	Celery in Cereal mix	20/50 g
MRM-CSC	Caseins in Cereal flour	20/50 g
MRM-EC	Eggs in Cereal flour	20/50 g
MRM-FSC	Fish in Cereal flour	20/50 g
MRM-GCO	Gluten in Cereal flour or Oat	20/50 g
MRM-HCM	Hazelnuts in Chocolate or Muesli	20/50 g
MRM-HFF	Histamine in Fish feed or Fish	20/50 g
MRM-LC	Lupine in Cereal flour	20/50 g
MRM-MC	Mustard in Cereal flour	20/50 g
MRM-MLC	Milk in Cereal flour	20/50 g
MRM-PC	Pistachio in Cereal flour	20/50 g
MRM-PRC	Peanut in Roasted and Chopped Hazelnut	20/50 g
MRM-SH	Sesame in Honey	20/50 g
MRM-SYC	Soy in Cereal flour	20/50 g
MRM-WC	Cashew in Cereal flour	20/50 g
MRM-WLC	Walnut in Cereal flour	20/50 g



# Food Composition Analysis



Food composition analysis provides food with detailed information, such as vitamins, sugar, mineral salt, bionic acid, and other content, which need to meet regulatory requirements. Enzymatic analysis of food is an internationally recognized food analysis method, which has been adopted by many international authoritative organizations or institutions. Enzymatic kits, which can be detected by a spectrophotometer or an enzymatic analyzer, can quickly, accurately, and quantitatively analyze specific components in food.

Pribolab offers a wide range of products for food composition analysis, including enzymatic kits, vitamin immunoaffinity columns, reference materials (solid standards), <sup>13</sup>C stable isotope internal standards, ELISA kits, rapid test strips.



## Enzymatic Assay

### PriboEnzy™ Enzymatic Assay Kits

#### Application

Enzymatic assay kits can accurately and quantitatively analyze specific components in food, and be suitable for various purposes such as research analysis and quality control. Our products are widely used to test food composition in a range of materials, for example, vegetable, food, fruit juice, dairy, wine, sugar, feed, health products, fermented products, pharmaceutical products, condiments, etc.

#### Product Advantages

- ✓ Quantitative analysis and detection;
- ✓ Accurate results, high precision, strong specificity and high sensitivity;
- ✓ Simple sample preparation;
- ✓ Short assay time: 5-50 minutes;
- ✓ Spectrophotometer or enzymatic analyzer;
- ✓ Internationally certified detection method.



### PriboEnzy™ Enzymatic Assay Kits

Cat. No.	Product Name	Volume	Tests
RP010	D-Glucose Assay kit	50-800	135 T
RP012	D-Glucose/D-Fructose Assay kit	0-5 g/L	Coming soon
RP013	D-Glucose/D-Fructose/Sucrose Assay kit	0-10 g/L	Coming soon
RP014	Total Starch Assay Kit	0-1000 mg/g	100 T
RP014FG	Total Starch Assay Kit (SP)	0-1000 mg/g	100 T
RP015	Galactose Assay Kit	—	Coming soon

## PriboEnzy™ Enzymatic Assay Kits

Cat. No.	Product Name	Volume	Tests
RP016	Lactose/Glucose Assay Kit	—	Coming soon
RP017	Trehalose Assay Kit	—	Coming soon
RP018	D-Xylose Assay Kit	—	Coming soon
RP030	L-Malic acid Assay Kit	0-3 g/L	Coming soon
RP031	D-Malic acid Assay Kit	0-3 g/L	Coming soon
RP032	L-Lactic acid Assay Kit	0-1.5 g/L	Coming soon
RP033	D-Lactic acid Assay Kit	0-1 g/L	Coming soon
RP034	Acetic acid Assay Kit	0-1 g/L	Coming soon
RP035	Gluconic acid Assay Kit	0-4 g/L	Coming soon
RP036	Pyruvic acid Assay Kit	—	Coming soon
RP037	Citric acid Assay Kit	0-1 g/L	Coming soon
RP038	L-Ascorbic acid Assay Kit	0-0.3 g/L	Coming soon
RP039	Isocitric acid Assay Kit	0-0.3 g/L	Coming soon
RP040	Tartaric acid Assay Kit	0-12 g/L	Coming soon
RP041	β-Hydroxybutyric acid Assay Kit	—	Coming soon
RP042	Glutamic acid Assay Kit	—	Coming soon
RP043	Pyruvic acid Assay Kit	—	Coming soon
RP060	Ethanol Assay Kit	—	Coming soon
RP061	Cholesterol Assay Kit	—	Coming soon
RP062	Glycerol Assay Kit	0-1 g/L	Coming soon
RP063	D-Mannitol Assay Kit	—	Coming soon
RP070	Urea/Ammonia Assay Kit	—	Coming soon
RP071	Ketone Assay Kit	—	Coming soon
RP072	Acetaldehyde Assay Kit	—	Coming soon
RP073	Amino nitrogen Assay Kit	—	Coming soon

## PriboFast® Vitamin Immunoaffinity Columns (IAC)

### Application

PriboFast® Vitamin Immunoaffinity Columns are used to purify and concentrate vitamins from complicated matrices, such as food, health care products, feed, herbal materials, etc. Our products are applicable for purification of various vitamins, such as Vitamin B12 (cobalamin), Vitamin B7 (D-biotin), and Vitamin B9 (folic acid).

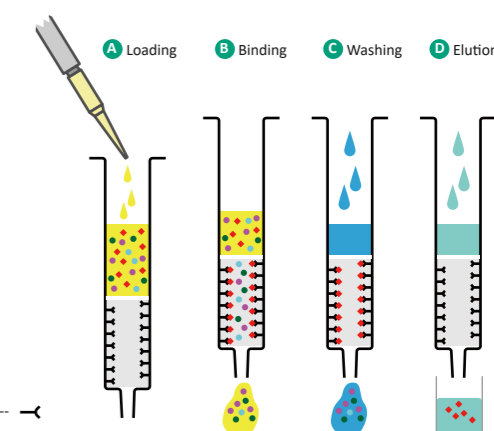
### Test Principle

Based on monoclonal antibody technology, antigen can specifically bind the specific antibody.

### Product Advantages

- ✓ High specificity and high affinity of monoclonal antibodies;
- ✓ High purification efficiency of the target vitamin molecules;
- ✓ Stable and high recovery rate (≥90%), long shelf life;
- ✓ Simple and quick operation, saving time and cost.

### IAC Operation Flowchart



## PriboFast® Vitamin Immunoaffinity Columns (IAC)

Cat. No.	Product Name	Volume	Tests
IAC-101-3	Vitamin B12/Cobalamin Immunoaffinity Column	3mL	25/50 T
IAC-102-3	Biotin/Vitamin B7 Immunoaffinity Column	3mL	25/50 T
IAC-103-3	Folic Acid/Vitamin B9 Immunoaffinity Column	3mL	25/50 T
IAC-500-3	Heparin Immunoaffinity Column	3mL	25/50 T
IAC-V102H-3	Biotin/Vitamin B7 Immunoaffinity Column (2000ng)	3mL	25T/50T
IAC-V457-3	Protein G Immunoaffinity Column	3mL	10T

## PriboFast® Vitamin ELISA Kits

### Application

Vitamin ELISA kits are commonly used for analytical biochemistry testing, to quantitatively and qualitatively detect a specific vitamin in a sample extract. At present, the ELISA method has been included in food standard regulations by many countries to detect vitamins in food, grains, and health products.

### Product Advantages

- ✓ Competition ELISA methods;
- ✓ Low %RSD of within-batch and between-batch precision;
- ✓ High sensitivity and recovery rate;
- ✓ Simple and easy operation;
- ✓ Meet the relevant regulations and limit of quantitation requirements.



## PriboFast® Vitamin ELISA Kits

Cat. No.	Product Name	Tests
EKT-101	Vitamin B12/Cobalamin ELISA Kit	48/96 T
EKT-102	Vitamin B7/Biotin ELISA Kit	48/96 T
EKT-103	Folic Acid/Vitamin B9 ELISA Kit	48/96 T

## PriboLab® Vitamin Solid Standards

### Application

PriboLab provides solid standards for vitamins to fully meet the customers needs with different detection methods (HPLC/GC/TLC). Meanwhile, we provide customized services according to your requirement. We guarantee that each batch of products undergoes multiple verification methods (HPLC, LC-MS/MS) to ensure the quality and purity of the certified products provided.

### Product Advantages

- ✓ High quality and purity;
- ✓ Quality assurance through multiple verification methods;
- ✓ Available for customer customization.



Cat. No.	Product Name	CAS No.
MSS4001	Folic Acid/Vitamin B9	59-30-3
MSS4002	Vitamin B12/Cobalamin	68-19-9
MSS4003	D-Biotin/Vitamin B7	58-85-5

## PriboLab® Vitamin <sup>13</sup>C Stable Isotope Labeled Internal Standards

### Application

PriboLab has unique mature synthetic biology patented technology and triple purification process to produce <sup>13</sup>C stable isotope labeled internal standards. Our products are stable, fully <sup>13</sup>C isotope labeled versions of the target analyte with the same physiochemical and chromatographic behaviors. In the detection application, <sup>13</sup>C stable isotope labeled internal standards are the best reference materials to correct for matrix effects and improve the accuracy and the precision.

### Product Advantages

- ✓ Fully <sup>13</sup>C stable isotope labeled
- ✓ Reduce or eliminate matrix effects and errors
- ✓ Improve accuracy and precision efficiently
- ✓ High isotopic purity and chemical stability



Cat. No.	Product Name	CAS No.
STD#9107U	U-[ <sup>13</sup> C <sub>5</sub> ]-Biotin-10ug - dried down	58-85-5
STD#9109U	U-[ <sup>13</sup> C <sub>5</sub> ]-Vitamin B9-10µg/mL /5% Ammonia	1207282-75-4
STD#9209U	U-[ <sup>13</sup> C <sub>5</sub> , <sup>15</sup> N]-Vitamin B9-10µg/mL /5% Ammonia	59-30-3
STD#9112U	U-[ <sup>13</sup> C <sub>7</sub> ]-Vitamin B12-1µg/mL - Methanol	68-19-9

# GMO



Transgenic technology is the insertion of DNA fragments of known functional traits of other species, such as high yield or insect resistance, into the gene sequence of crops, so that the crops exhibit new characteristics. At present, whether genetically modified crops pose potential threats to human health and the environment has become the focus of the global food safety field.

Pribolab provides a variety of rapid detection and quantitative analysis detection solutions, diagnostic technologies from gene level (RT-PCR, LAMP-PCR) to protein level (ELISA kits). Our products are suitable for detecting specific transgenic expression proteins in corn, cotton, wheat, barley, soybean and other bulk grains.



## Rapid Test Products

### PriboFast<sup>®</sup> GMO ELISA Kits

#### Application

GMO ELISA kits are used to quantitatively and qualitatively detect a specific GM protein in a sample extract, and have advantages of simple operation and rapid testing. At present, the ELISA method has been included in food standard regulations by many countries to detect GM proteins in food and grains.

#### Product Advantages

- ✓ Competition or "Sandwich" ELISA methods;
- ✓ Low %RSD of within-batch and between-batch precision;
- ✓ High sensitivity and recovery rate;
- ✓ Simple and easy operation.



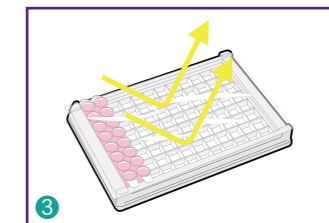
#### Assay Procedures



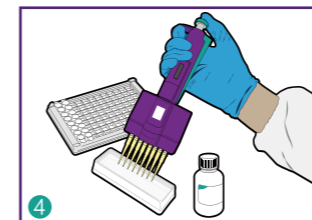
1 Recovery the kit to room temperature.



2 Add Standards and samples and Enzyme Labeled Conjugate in order.



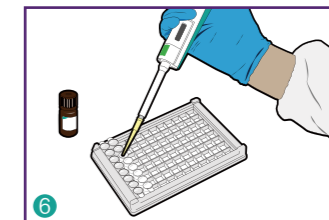
3 Incubate.



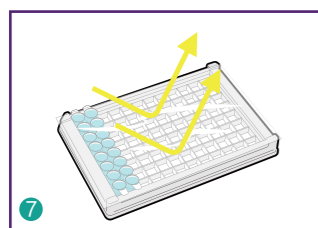
4 Wash step.



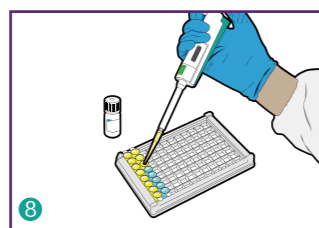
5 Blot the inverted plate on paper towels.



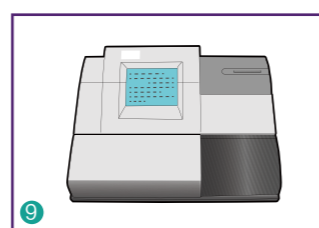
6 Add the substrate solution.



7 Incubate again.



8 Add the stop solution.



9 Read the result by an ELISA reader.

## PriboFast® GMO ELISA Kits

Cat. No.	Product Name	Sensitivity(µg/kg)	Tests
EKT-GM010	Cry1Ab/Ac ELISA Kit	0.1	96 T
EKT-GM030	Cry1C ELISA Kit	5	96 T
EKT-GM040	Cry1F ELISA Kit	0.5	96 T
EKT-GM050	Cry2Ab ELISA Kit	5	96 T
EKT-GM060	CP4 EPSPS ELISA Kit	1	96 T
EKT-GM070	PAT/bar ELISA Kit	Coming soon	96 T
EKT-GM080	G10 EPSPS ELISA Kit	Coming soon	96 T
EKT-GM090	G2 EPSPS ELISA Kit	Coming soon	96 T
EKT-GM110	GAT EPSPS ELISA Kit	Coming soon	96 T
EKT-GM120	AM79 EPSPS ELISA Kit	Coming soon	96 T
EKT-GM130	Hygromycin Phosphotransferase ELISA Kit	Coming soon	96 T
EKT-GM140	Neomycin Phosphotransferase ELISA Kit	Coming soon	96 T

## PriboStrip™ GMO Rapid Test Strips

### Application

Rapid test strips are designed for preliminary screening, qualitative detection with advantages of high specificity and sensitivity. Pribolab has successfully developed qualitative GMO rapid test strips for seeds and leaves detection.

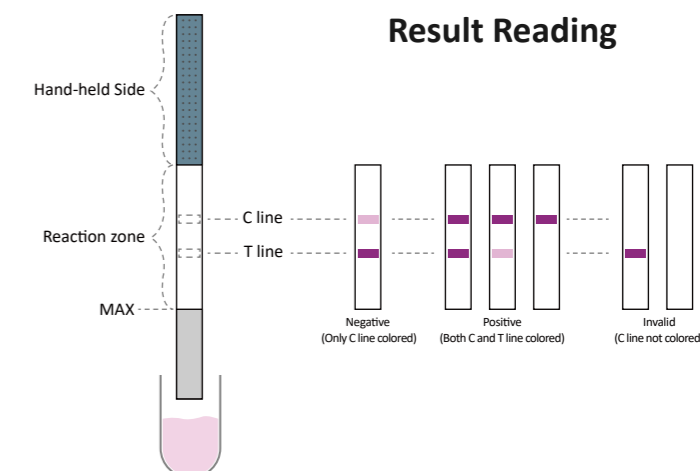


### Test Principle

▷ Colloidal gold-based immunochromatographic method.

### Product Advantages

- ✓ Rapid Detection (<12 min);
- ✓ Easy to perform;
- ✓ Qualitative analysis;
- ✓ Applicable for both seeds and leaves testing;
- ✓ High sensitivity, easy to read results.

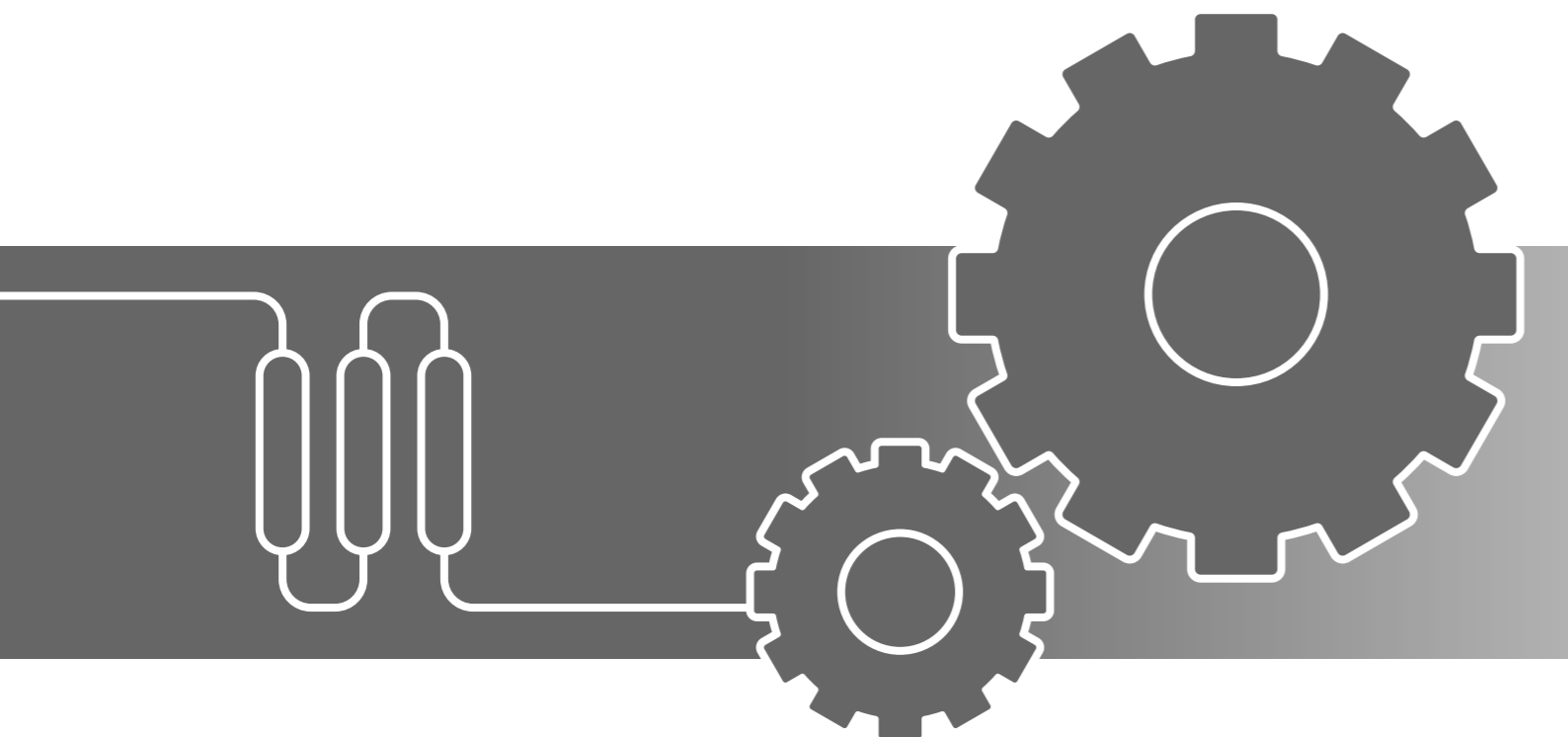


## PriboFast® GMO Rapid Test Strips

Cat. No.	Product Name	Sensitivity(µg/kg)	Tests
PRS-GM010	Cry1Ab/Ac Rapid Test Strip	0.5ppb	100 T
PRS-GM030	Cry1C Rapid Test Strip	1%	100 T
PRS-GM040	Cry1F Rapid Test Strip	1%	100 T
PRS-GM050	Cry2Ab Rapid Test Strip	0.10%	100 T
PRS-GM060	CP4 EPSPS Rapid Test Strip	100ppb	100 T
PRSI-GM060	CP4 EPSPS Rapid Test Strip	0.01%	100 T
PRS-GM070	PAT, bar Rapid Test Strip	2ppb	100 T
PRS-GM080	G10 EPSPS Rapid Test Strip	Coming soon	100 T
PRS-GM090	G2 EPSPS Rapid Test Strip	Coming soon	100 T
PRS-GM110	GAT Rapid Test Strip	Coming soon	100 T
PRS-GM120	AM79 EPSPS Rapid Test Strip	Coming soon	100 T
PRS-GM2001	Cry1Ab/Ac&CP4 EPSPS Rapid Test Strip	Coming soon	100 T
PRS-GM2002	Cry1Ab/Ac&PAT/bar Rapid Test Strip	Coming soon	100 T
PRS-GM2003	CP4 EPSPS&PAT/bar Rapid Test Strip	Coming soon	100 T



## Instrument



Sophisticated analytical and testing instruments are important and necessary for experimental operators to obtain accurate, repeatable and reliable data.

Pribolab can provide a complete set of equipment from sample processing to analysis and detection. It mainly includes three categories: (1). Sample preparation equipment (AHG, IPS, etc.), (2). Post-column derivatization device (KRC, MDS, etc.), (3). Analysis and detection equipment (LFR-TC, etc). These instruments can meet different needs of users in the field of food safety monitoring and scientific research.

## Pribolab® MDS Multifunction Derivatization System

### General Information

Multifunction Derivatization System is another pinnacle of Pribolab's development of post-column derivatization instruments. It can be used with various brands of liquid chromatography (LC) and ion chromatography (IC), effectively expanding the analysis range of the chromatography system, and has very important applications in the fields of food, feed, medicine, health care products, heavy metals, and inorganic salts.

MDS-3000 plus is an upgrade of MDS-3000 in all aspects. Not only is the appearance design more compact, but its safety performance and core materials have also been upgraded for better use experience.

MDS-3100 has a number of utility model patents, and for the first time integrates reagent derivatization and optical derivatization, which can meet most derivatization needs.



### Application

- ✓ Determination of ammonium methyl ester pesticides and residues by OPA derivatization method;
- ✓ Determination of glycerophosphate esters by OPA derivatization method;
- ✓ Determination of aflatoxin by iodization derivatization method;
- ✓ Determination of amino acids by OPA derivatization method;
- ✓ Determination of amino acids by ninhydrin derivatization method;
- ✓ Determination of taurine in food;
- ✓ Determination of aflatoxin by photochemical derivatization method.

### MDS Configuration Table

Name	MDS-3000		MDS-3000 plus		MDS-3100	
	Basic	Pro	Basic	Pro	Basic	Pro
Version	350 mm×220 mm×560 mm		320 mm×220 mm×440 mm		540 mm×360 mm×560 mm	
Size (h×w×d)	Single	Double	Single	Double	Single	Double
Pump(s)	✓	✓	✓	✓	✓	✓
Pump Head Self-cleaning	×	×	×	×	✓	✓
Photo-derivation Module	×	×	×	×	✓	✓
Flow Channel Auto-switch	✓	✓	✓	✓	✓	✓
Single Backflow Preventer	✓	✓	✓	✓	✓	✓
hemical Reaction Pool	Default: 0.5 mL + 1 mL; Optional: 0.1-2 mL					

## Pribolab® KRC

### Photochemical Derivatization Reactor



#### General Information

The KRC Photochemical Post-Column Reactor is used for the photo-derivatization of aflatoxins with HPLC-FLD. This method does not require any chemical reagents, can effectively enhance the fluorescence intensity of aflatoxins B<sub>1</sub> and G<sub>1</sub>, and their sensitivity can reach 0.1 ng/mL (depending on the detector sensitivity). In addition, it is also suitable for derivation of barbiturates, amino acids, peptides, vitamins and sulfa drugs, etc. The whole machine adopts black coating and pure stainless steel body frame, and the shape design is simple and elegant. KRC can be used directly with LC of Agilent, Shimadzu, Waters, Hitachi, Dionex and other brands.

#### Features

- ✓ derivatization of aflatoxins B<sub>1</sub>, G<sub>1</sub> in real time without the use of chemicals;
- ✓ Avoiding operator exposure to toxic chemicals;
- ✓ No need to prepare corrosive liquids, increasing the life of LC instruments;
- ✓ No rinse steps required, no additional maintenance required;
- ✓ Comply with China's new national standard and Pharmacopoeia method;
- ✓ Conforms to AOAC 2005.08, AOCS Aa11-05 and European Pharmacopoeia 2.8.18 standard analytical methods.

#### Parameters (CE Label)

Size (h×w×d):	430 mm×40 mm×80 mm	Wavelength precision:	±1 nm
Drift:	≤ 2.5×10 <sup>-4</sup> AU/h	Wavelength reproducibility:	±1 nm
Light Source:	254 nm	Derivative pool volume:	1 mL
Flow Rate	0.8~1.5 mL/min; optimum: 1.2 mL/min	Max pool pressure:	2000 psi
Band width:	2 nm	Lamp life:	≥ 10000 h
Working environment:	220V, 50 Hz; Temperature: 0~45 °C; Relative Humidity: 20-85%		

## Pribolab® MDU/UMDU

### Ultra Mycotoxin Derivatization Units

#### General Information

UMDU is newly developed instruments, which are used for instant photo-derivatization of aflatoxins in HPLC/UPLC-FLD detection, which can effectively shorten the separation time of Aflatoxin B<sub>1</sub>, B<sub>2</sub>, G<sub>1</sub>, and G<sub>2</sub>. The instrument can be connected with a LC instrument simply and conveniently to derivatize Aflatoxin B<sub>1</sub> and G<sub>1</sub> in real time, and the derivatization has no effect on the physical and chemical properties of Aflatoxin B<sub>2</sub>, G<sub>2</sub>, M<sub>1</sub> and M<sub>2</sub>. It is suitable for the analysis of aflatoxins in food and pharmaceutical fields, and can directly couple with LC of all mainstream brands.



#### Features

- ✓ Simple operation and low maintenance cost, no rinse step required;
- ✓ Compatible with any HPLC or UPLC (mainly);
- ✓ Short derivation time, and the detection can be completed in 5 minutes with UPLC;
- ✓ Comply with AOAC2005.08, AOCS Aa 11-05-2011, European Pharmacopoeia 2.8.18 standards and other analytical methods.

#### Parameters

Size (hwd):	250 mmX160 mmX280 mm(L x W x H)
Weight:	1.5 kg
Power:	220 V, 50/60 Hz, 100 W
Working environment:	Temperature: -4~50 °C; Relative Humidity: ≤85%
Light source:	254 nm and 352 nm
Drift:	≤ 2.5×10 <sup>-4</sup> AU/h
Wavelength reproducibility:	±1 nm
Wavelength precision:	±1 nm
Band width:	<5 nm
Lamp life:	≥ 10000 h
Max pool pressure:	3000 psi
Flow rate:	0.2-0.6 mL/min, optimum: 0.3 mL/min
Derivative coil:	Emulsified material
Derivative pool volume:	< 1mL

## Pribolab® High Speed Homogenizer

### General Information

High speed homogenizer (PRB-2200S) is a universal extraction and homogenize instrument. It meets the different mycotoxins extraction requirements of various matrices. After special structural design, the high-speed homogenizer can realize efficient extraction of mycotoxins and other substances in a short time. The maximum rotation speed reach to 22,000 rpm. The all-metal body and the stainless-steel cup can protect the instrument from organic solvents erosion. The instrument can accomplish the extraction process within 2~3 min.

### Features

- √ 3 min fast extraction;
- √ Two-speed patterns;
- √ Metal body, stainless steel cup for organic solvent corrosion resistance;
- √ Widely applicable for food, scientific research, chemical and pharmaceutical fields.



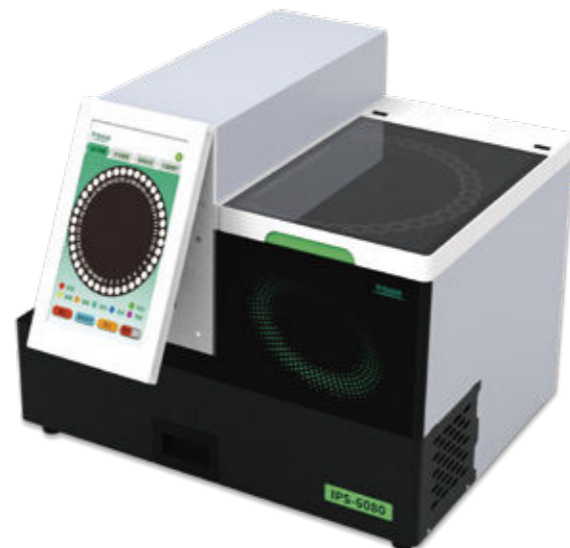
## Pribolab® IPS Automatic Immunoaffinity Column Purification System

### General Information

IPS integrates the operating steps of the immunoaffinity column (sample loading, rinsing, and elution) into one operating platform. IPS is suitable for immunoaffinity purification of biotoxins, veterinary drug residues, trace contaminants, and prohibited additives in samples such as food, feed, and herbal materials, etc. It complies with the Pharmacopoeia, the Chinese food hygiene regulations, and international standards such as the European Union and AOAC.

### Features

- √ Visual touch interface, easy to install and operate;
- √ Wide range of detection applications;
- √ Fully automatic operation, automatic sample loading and cleaning;
- √ High recovery accuracy;
- √ Driven by precision motor, stable speed, precise feeding.



## Pribolab® Multi-Tube Vortex Mixer (DMT-2500)

### General Information

Multi-Tube Vortex Mixer is compact in appearance, adopts BLDC motor technology and microcomputer control technology, and is suitable for fields such as biotechnology, microbiology, and medical analysis.

### Features

- √ Process 50 tubes (10ml) samples at a time;
- √ Touch operation interface;
- √ LED timing and speed display;
- √ Timer between 1 second and 9999 minutes;
- √ DC brushless motor drive, precise speed;
- √ Long life, maintenance-free.



### Parameters

Size (h×w×d):	426 mm × 250 mm × 480 mm
Weight:	15 kg
Speed:	500~2500 rpm
Swing diameter:	4 mm horizontal swing
Time setting:	1 s~ 9999 min
Maximum load:	4.5 kg
Input power:	60W

## Pribolab® Mycotoxin Vortex Mixer

### General Information

Pribolab® Mycotoxin Vortex Mixer is a novel high-efficiency instrument, which combines shaking and vortexing, for multi-tube mycotoxin extraction. Compared with the traditional ultrasonic extraction, the vortex mixer can increase the contact surface between the sample and the extraction solution through high-speed vortex, so that the extraction efficiency is greatly improved. In Comparison with the single-head vortexer, this product can complete the mycotoxin extraction for a dozen of tubes at the same time, which improves the experimental efficiency and makes the sample preparation experiment easier and more convenient.



## Parameters

<b>Power supply:</b>	220 V ± 10%	<b>Frequency:</b>	50 Hz ± 5%
<b>Power input:</b>	60 W	<b>Rotate Speed:</b>	800 - 2800 rpm
<b>Capacity:</b>	12 × 50 mL	<b>Timer:</b>	0 - 15 minutes

## Pribolab®

### 8 Positions Immunoaffinity Column Operating Rack

#### General Information

This product is an easy-to-use auxiliary small instrument for immunoaffinity column operation, and it has two types of column holders, 8-position. Constructed of robust, chemically resistant materials, this product is specifically designed for pump-operated systems that process multiple immunoaffinity columns simultaneously. This operating rack can process 8 immunoaffinity columns at the same time, which greatly improves the efficiency of sample pretreatment.



#### Features

- ✓ 8 IACs at the same time;
- ✓ Good portability, easy to assemble;
- ✓ High power air pump;
- ✓ High quality, corrosion-resistant materials;
- ✓ Optimal size design, swivel style design, easy to use.

## Pribolab®

### Lateral Flow Reader-TC

#### General Information

Pribolab®LFR-TC is used with PriboStrip™ Quantitative Rapid Test Strip series, for qualitative or quantitative detection of various mycotoxins in grains, food and feed, etc. It is an upgraded version, which integrates detection and incubation, and embedded with printing function, which is convenient for experimental technicians to operate. LFR-TC is widely used in the rapid analysis of mycotoxins in finished products and raw materials in agriculture, food, pharmaceutical quality inspection,



## Features

- ✓ Integration of incubator module and testing function;
- ✓ Embedded printer;
- ✓ Transmission quickly of detection data with multi-connections;
- ✓ Faster reading results;
- ✓ Color touch screen for comfortable operation interface;
- ✓ Standard curves configured in the IC cards;

## Parameters

<b>Size (h×w×d):</b>	154 mm×403 mm×265 mm	<b>Weight:</b>	5 kg
<b>Display:</b>	7-inch LCD touch screen	<b>Incubators:</b>	6 positions
<b>Data transmission:</b>	USB, network interface	<b>Input power:</b>	30 W
<b>Measuring speed:</b>	<10 seconds/strip	<b>Temperature:</b>	-10~40 °C
<b>Incubation temperature:</b>	±0.5~65 °C	<b>Voltage:</b>	AC 100-240 V

#### List of detectable mycotoxins (continuous development of new products)

Detectable Mycotoxins	Detection Range (µg/kg)	Storage
Aflatoxin B1	3-100	In stock
Zearalenone	20-500	In stock
Deoxynivalenol	100-4000	In stock
Ochratoxin A	0-100	Coming soon
Aflatoxin M1	0-5	Coming soon
Aflatoxin Total	0-50	Coming soon
Fumonisin B1	0-6000	Coming soon

## Pribolab®

### Auto-enzymatic Food Analyzer

#### General Information

Pribolab®Auto-enzymatic Food Analyzer is an instrument for measuring a specific chemical composition based on the principle of photoelectric colorimetry. The instrument can be used for quality control, finished product quality inspection and engineering research analysis in the fields of food, juice, dairy, feed, fermentation, pharmaceuticals and other processing and production.



## Features

- √ Visual parameter setting to meet various detection needs;
- √ Wide detection wavelength range 340nm~630nm;
- √ Support 54 samples to test at the same time;
- √ Precise temperature control of the reaction plate, automatic cleaning of the reaction cup;
- √ Test methods include endpoint method, kinetic method, two-point method, etc;
- √ Unlimited additional tests, urgent priority;
- √ Fully automatic 7-stage 15-step cleaning, more thorough cleaning, and no cross-contamination.

## Parameters

Size (L×W×H):	566 mm × 559 mm × 601 mm
Operating system:	Windows
Power:	AC 100-240 V, 50 Hz / 60 Hz
Absorbance:	0~4.0 A, Distinguishability 0.0001 A
Data transmission:	Support the connection with HIS and LIS systems
Standard curve method:	Multipoint line, Logit, Spline, etc
Light splitting method:	Spot light spot after optical fiber transmission and fully enclosed light spot detection system

## Other Instrument

ELISA Plate Reader



Eight Channels Micropipette



Single Channel Micropipette



Fiberglass filter paper



Hamilton Microsampling Syringe

