



Lab Testing Consumables

ToxinFast® Immunoaffinity Column(IAC)

ToxinFast® Immunoaffinity Columns can be used in combination with HPLC or LC-MS/MS to achieve rapid testing, which enables food laboratories to identify, isolate and concentrate only the target analytes, while reducing or eliminating unwanted interferences.



Toxinfast[®] Immunoaffinity Column(IAC)

Principles

Immunoaffinity Column (IAC) technology is based on specific binding of the antigen to antibody-analyte, which can be used for purification and concentration of the target substance in a sample.

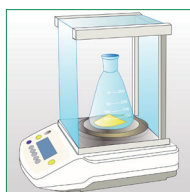
Features

- For samples processing before loading in laboratory equipment (HPLC, LC-MS, LC-MS/MS)
- Reduce matrix interference, purify, and enrich target substance(s)
- Improve detection sensitivity and selectivity
- Protect chromatographic column and instruments

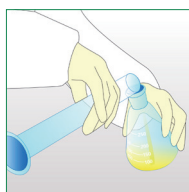
Benefits

- High recovery rate
- High accuracy
- Excellent specificity
- Easy to use

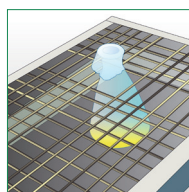
Test Procedure



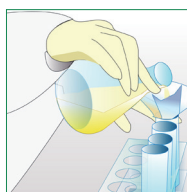
1. Weigh



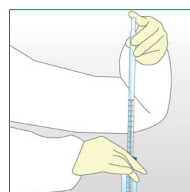
2. Add extraction solution



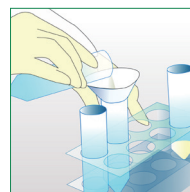
3. Shake



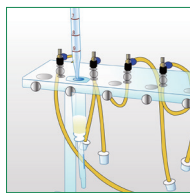
4. Filter



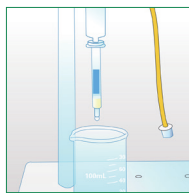
5. Dilute



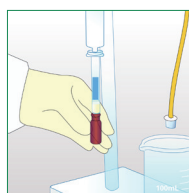
6. Filter by microfiber filter paper



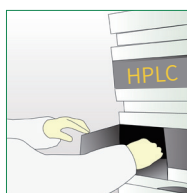
7. Load samples



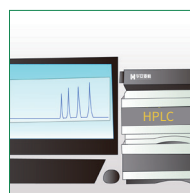
8. Wash



9. Elute



10. Test



11. Analyse results

Order Information

Grain & Feed				
Catalogue No.	Product Name	Capacity	Specification	Matrix
Mycotoxins				
HCM0125B	IAC for Aflatoxins B ₁ , B ₂ , G ₁ , G ₂	300ng	3mL, 25T	Food, oil, nut, feed, herbs, tea, etc.
HCM0150B	IAC for Aflatoxins B ₁ , B ₂ , G ₁ , G ₂	300ng	3mL, 50T	Food, oil, nut, feed, herbs, tea, etc.
HCM0225B	IAC for Aflatoxins Total B ₁ , B ₂ , G ₁ , G ₂ , M ₁ , M ₂	300ng	3mL, 25T	Food, oil, nut, feed, herbs, tea, Dairy product, etc.
HCM0250B	IAC for Aflatoxins Total B ₁ , B ₂ , G ₁ , G ₂ , M ₁ , M ₂	300ng	3mL, 50T	Food, oil, nut, feed, herbs, tea, Dairy product, etc.
HCM0325B	IAC for Aflatoxin B ₁	300ng	3mL, 25T	Food, oil, nut, feed, herbs, tea, etc.
HCM0350B	IAC for Aflatoxin B ₁	300ng	3mL, 50T	Food, oil, nut, feed, herbs, tea, etc.
HCM0525B	IAC for Zearalenone	2000ng	3mL, 25T	Grains, feed
HCM0550B	IAC for Zearalenone	2000ng	3mL, 50T	Grains, feed
HCM0625B	IAC for Deoxynivalenol	2000ng	3mL, 25T	Grains, feed, alcohol, etc.
HCM0650B	IAC for Deoxynivalenol	2000ng	3mL, 50T	Grains, feed, alcohol, etc.
HCM3025B	IAC for Deoxynivalenols (DON/3-ADON/15-ADON)	DON: 2000ng 3-A-DON: 800ng 15-A-DON: 1000ng	3mL, 25T	Grains, feed, etc.
HCM3050B	IAC for Deoxynivalenols (DON/3-ADON/15-ADON)	DON: 2000ng 3-A-DON: 800ng 15-A-DON: 1000ng	3mL, 50T	Grains, feed, etc.
HCM8125B	IAC for Deoxynivalenols (DON/15-ADON)	DON: 2000ng 15-A-DON: 2000ng	3mL, 25T	Grains, feed, etc.
HCM8150B	IAC for Deoxynivalenols (DON/15-ADON)	DON: 2000ng 15-A-DON: 2000ng	3mL, 50T	Grains, feed, etc.
HCM0725B	IAC for Ochratoxin A	100 ng	3mL, 25T	Cereal, peanut, feed, alcohol, condiment, herbs, etc.
HCM0750B	IAC for Ochratoxin A	100 ng	3mL, 50T	Cereal, peanut, feed, alcohol, condiment, herbs, etc.
HCM0825B	IAC for Fumonisin B ₁ , B ₂ , B ₃	5000ng	3mL, 25T	Grains, feed, etc.
HCM0850B	IAC for Fumonisin B ₁ , B ₂ , B ₃	5000ng	3mL, 50T	Grains, feed, etc.
HCM0925B	IAC for T-2 Toxin	2000 ng	3mL, 25T	Cereals, feed, plant oil
HCM0950B	IAC for T-2 Toxin	2000 ng	3mL, 50T	Cereals, feed, plant oil

Catalogue No.	Product Name	Capacity	Specification	Matrix
HCM ₂ 025B	IAC for T-2, HT-2 Toxin	2000ng	3mL, 25T	Grains, feed, condiment, etc.
HCM ₂ 050B	IAC for T-2, HT-2 Toxin	2000ng	3mL, 50T	Grains, feed, condiment, etc.
HCM ₂ 125B	IAC for Citrinin	500ng	3mL, 25T	Grains, red koji products
HCM ₂ 150B	IAC for Citrinin	500ng	3mL, 50T	Grains, red koji products
HCM ₂ 225B	IAC for Sterigmatocystin	600ng	3mL, 25T	Grains
HCM ₂ 250B	IAC for Sterigmatocystin	600ng	3mL, 50T	Grains
HCM3825B	IAC 2-in-1 Aflatoxin B ₁ /Deoxynivalenol	AFT B ₁ : 300ng DON: 2000ng	3mL, 25T	Grains, feed, etc.
HCM3850B	IAC 2-in-1 Aflatoxin B ₁ /Deoxynivalenol	AFT B ₁ : 300ng DON: 2000ng	3mL, 50T	Grains, feed, etc.
HCM3325B	IAC 2-in-1 Zearalenone/Fumonisin	ZEN: 2000ng FB ₁ /FB ₂ /FB ₃ : 5000ng	3mL, 25T	Grains, feed, etc.
HCM3350B	IAC 2-in-1 Zearalenone/Fumonisin	ZEN 2000ng FB ₁ /FB ₂ /FB ₃ : 5000ng	3mL, 50T	Grains, feed, etc.
HCM3525B	IAC 2-in-1 Zearalenone/Deoxynivalenol	DON: 2000ng ZEN: 2000ng	3mL, 25T	Grains, feed, etc.
HCM3550B	IAC 2-in-1 Zearalenone/Deoxynivalenol	DON: 2000ng ZEN: 2000ng	3mL, 50T	Grains, feed, etc.
HCM3725B	IAC 2-in-1 Aflatoxins (B ₁ , B ₂ , G ₁ , G ₂)/ Ochratoxin A	AFT B ₁ /B ₂ /G ₁ /G ₂ : 300ng OTA: 100ng	3mL, 25T	Grains, feed, etc.
HCM3750B	IAC 2-in-1 Aflatoxins (B ₁ , B ₂ , G ₁ , G ₂)/ Ochratoxin A	AFT B ₁ /B ₂ /G ₁ /G ₂ : 300ng OTA: 100ng	3mL, 50T	Grains, feed, etc.
HCM4825B	IAC 2-in-1 Aflatoxin B ₁ /Ochratoxin A	AFT B ₁ :300ng OTA: 100ng	3mL, 25T	Grains, feed, etc.
HCM4850B	IAC 2-in-1 Aflatoxin B ₁ /Ochratoxin A	AFT B ₁ :300ng OTA: 100ng	3mL, 50T	Grains, feed, etc.
HCM5925B	IAC 2-in-1 Aflatoxins (B ₁ , B ₂ , G ₁ , G ₂ , M ₁ , M ₂)/ Ochratoxin A	AFT B ₁ /B ₂ /G ₁ /G ₂ : 300ng AFT M ₁ : 100ng AFT M ₂ : 100ng OTA: 100ng	3mL, 25T	Grains, feed, etc.
HCM5950B	IAC 2-in-1 Aflatoxins (B ₁ , B ₂ , G ₁ , G ₂ , M ₁ , M ₂)/ Ochratoxin A	AFT B ₁ /B ₂ /G ₁ /G ₂ : 300ng AFT M ₁ : 100ng AFT M ₂ : 100ng OTA: 100ng	3mL, 50T	Grains, feed, etc.
HCM6025B	IAC 2-in-1 Zearalenone/Deoxynivalenols (DON, 3-A-DON, 15-A-DON)	DON/3-ADON/15-ADON: 2000ng ZEN: 2000ng	3mL, 25T	Grains, feed, etc.
HCM6050B	IAC 2-in-1 Zearalenone & Deoxynivalenols (DON, 3-A-DON, 15-A-DON)	DON/3-ADON/15-ADON: 2000ng ZEN: 2000ng	3mL, 50T	Grains, feed, etc.
HCM6125B	IAC 2-in-1 Aflatoxins (B ₁ , B ₂ , G ₁ , G ₂)/ Zearalenone	AFT B ₁ /B ₂ /G ₁ /G ₂ : 300ng ZEN: 2000ng	3mL, 25T	Grains, feed, etc.
HCM6150B	IAC 2-in-1 Aflatoxins (B ₁ , B ₂ , G ₁ , G ₂)/ Zearalenone	AFT B ₁ /B ₂ /G ₁ /G ₂ : 300ng ZEN: 2000ng	3mL, 50T	Grains, feed, etc.
HCM3125B	IAC 3-in-1 Aflatoxin B ₁ /Zearalenone/ Deoxynivalenol	AFT B ₁ : 300ng ZEN: 2000ng DON: 2000ng	3mL, 25T	Grains, feed, etc.

Catalogue No.	Product Name	Capacity	Specification	Matrix
HCM3150B	IAC 3-in-1 Aflatoxin B ₁ /Zearalenone/Deoxynivalenol	AFT B ₁ : 300ng ZEN: 2000ng DON: 2000ng	3mL, 50T	Grains, feed, etc.
HCM4125B	IAC 3-in-1 Aflatoxins (B ₁ , B ₂ , G ₁ , G ₂)/Zearalenone/Deoxynivalenol	AFT B ₁ /B ₂ /G ₁ /G ₂ : 300ng ZEN: 2000ng DON: 2000ng	3mL, 25T	Grains, feed, etc.
HCM4150B	IAC 3-in-1 Aflatoxins (B ₁ , B ₂ , G ₁ , G ₂)/Zearalenone/Deoxynivalenol	AFT B ₁ /B ₂ /G ₁ /G ₂ : 300ng ZEN: 2000ng DON: 2000ng	3mL, 50T	Grains, feed, etc.
HCM6825B	IAC 3-in-1 Aflatoxins (B ₁ , B ₂ , G ₁ , G ₂)/Zearalenone/Ochratoxin A	AFT B ₁ /B ₂ /G ₁ /G ₂ : 300ng ZEN: 2000 OTA: 100ng	3mL, 25T	Grains, feed, etc.
HCM6850B	IAC 3-in-1 Aflatoxins (B ₁ , B ₂ , G ₁ , G ₂)/Zearalenone/Ochratoxin A	AFT B ₁ /B ₂ /G ₁ /G ₂ : 300ng ZEN: 2000 OTA: 100ng	3mL, 50T	Grains, feed, etc.
HCM4725B	IAC 3-in-1 Aflatoxin B ₁ /Zearalenone/Ochratoxin A	AFT B ₁ : 300ng ZEN: 2000ng OTA: 100ng	3mL, 25T	Grains, feed, etc.
HCM4750B	IAC 3-in-1 Aflatoxin B ₁ /Zearalenone/Ochratoxin A	AFT B ₁ : 300ng ZEN: 2000ng OTA: 100ng	3mL, 50T	Grains, feed, etc.
HCM4925B	IAC 3-in-1 Zearalenone/Deoxynivalenol/Fumonisin	ZEN 2000ng DON: 2000ng FB ₁ /FB ₂ /FB ₃ : 5000ng	3mL, 25T	Grains, feed, etc.
HCM4950B	IAC 3-in-1 Zearalenone/Deoxynivalenol/Fumonisin	ZEN 2000ng DON: 2000ng FB ₁ /FB ₂ /FB ₃ : 5000ng	3mL, 50T	Grains, feed, etc.
HCM6225B	IAC 3-in-1 Zearalenone/Deoxynivalenol/Ochratoxin A	ZEN 2000ng DON: 2000ng OTA: 5000ng	3mL, 25T	Grains, feed, etc.
HCM6250B	IAC 3-in-1 Zearalenone/Deoxynivalenol/Ochratoxin A	ZEN 2000ng DON: 2000ng OTA: 5000ng	3mL, 50T	Grains, feed, etc.
HCM6525B	IAC 3-in-1 Aflatoxin B ₁ /Zearalenone/T-2 Toxin	AFT B ₁ : 300ng ZEN: 2000ng T-2: 2500ng	3mL, 25T	Grains, feed, etc.
HCM6550B	IAC 3-in-1 Aflatoxin B ₁ /Zearalenone/T-2 Toxin	AFT B ₁ : 300ng ZEN: 2000ng T-2: 2500ng	3mL, 50T	Grains, feed, etc.
HCM3225B	IAC 4-in-1 Aflatoxin B ₁ /Zearalenone/Deoxynivalenol/Ochratoxin A	AFT B ₁ : 300ng DON: 2000ng ZEN: 2000ng OTA: 100ng	3mL, 25T	Grains, feed, etc.
HCM3250B	IAC 4-in-1 Aflatoxin B ₁ /Zearalenone/Deoxynivalenol/Ochratoxin A	AFT B ₁ : 300ng DON: 2000ng ZEN: 2000ng OTA: 100ng	3mL, 50T	Grains, feed, etc.
HCM3625B	IAC 4-in-1 Aflatoxin B ₁ /Zearalenone/Deoxynivalenols (DON, 3-ADON, 15-ADON)/Fumonisin	AFT B ₁ : 300ng DON: 2000ng 3-ADON: 1000ng 15-ADON: 1000ng ZEN: 1000ng FB ₁ /FB ₂ /FB ₃ /FB ₃ : 5000ng	3mL, 25T	Grains, feed, etc.
HCM3650B	IAC 4-in-1 Aflatoxin B ₁ /Zearalenone/Deoxynivalenols (DON, 3-ADON, 15-ADON)/Fumonisin	AFT B ₁ : 300ng DON: 2000ng 3-ADON: 1000ng 15-ADON: 1000ng ZEN: 1000ng FB ₁ /FB ₂ /FB ₃ /FB ₃ : 5000ng	3mL, 50T	Grains, feed, etc.

Catalogue No.	Product Name	Capacity	Specification	Matrix
HCM6625B	IAC 4-in-1 Aflatoxins (B ₁ , B ₂ , G ₁ , G ₂)/ Ochratoxin A/Fumonisin/Sterigmatocystin	Refer to IFU	3mL, 25T	Grains, feed, etc.
HCM6650B	IAC 4-in-1 Aflatoxins (B ₁ , B ₂ , G ₁ , G ₂)/ Ochratoxin A/Fumonisin/Sterigmatocystin	Refer to IFU	3mL, 50T	Grains, feed, etc.
HCM3110	IAC Mycotoxins 6-in-1 Combo	AFT B ₁ /B ₂ /G ₁ /G ₂ /M ₁ /M ₂ : 300ng FB ₁ /FB ₂ /FB ₃ : 5000ng OTA: 100ng DON/15-ADON: 2000ng ZEN: 1000ng T-2/HT-2:1000ng	6mL, 10T	Grains, feed, etc.
HCM3210	IAC Mycotoxins 6-in-1 Combo	AFT B ₁ /B ₂ /G ₁ /G ₂ /M ₁ /M ₂ : 300ng FB ₁ /FB ₂ /FB ₃ : 5000ng OTA: 100ng DON/15-ADON: 2000ng 3-ADON: 800ng ZEN: 1000ng T-2/HT-2:1000ng	6mL, 10T	Grains, feed, etc.
HCM4210	IAC Mycotoxins 7-in-1 Combo	AFT B ₁ /B ₂ /G ₁ /G ₂ /M ₁ /M ₂ : 300ng FB ₁ /FB ₂ /FB ₃ : 5000ng OTA: 100ng ST:300ng DON/15-ADON: 2000ng ZEN: 1000ng T-2/HT-2:1000ng	6mL, 10T	Grains, feed, etc.
HCM4310	IAC Mycotoxins 7-in-1 Combo	AFT B ₁ /B ₂ /G ₁ /G ₂ /M ₁ /M ₂ : 300ng FB ₁ /FB ₂ /FB ₃ : 5000ng OTA: 100ng ST:300ng DON/15-ADON: 2000ng 3-ADON: 800ng ZEN: 1000ng T-2/HT-2:1000ng	6mL, 10T	Grains, feed, etc.

Meat, Poultry, and Seafood				
Catalogue No.	Product Name	Column Capacity	Specification	Matrix
QC0119	IAC for Tetrodotoxin	1000 ng	3mL, 50T	Seafood
QC0183	IAC for Diarrhetic Shellfish Poison	400 ng	3mL, 50T	Seafood
QC0201	IAC for Neurotoxic Shellfish Poison	1600 ng	3mL, 50T	Seafood
QC0143	IAC for Microcystin	MC-LR: 500 ng MC-RR: 300 ng	3mL, 25T	Water
QC0144	IAC for Microcystin	MC-LR: 500 ng MC-RR: 300 ng	3mL, 50	Water
QC0184	IAC for Olaquinox Metabolite	150 ng	3mL, 25T	Animal source food
QC0130	IAC for Olaquinox Metabolite	150 ng	3mL, 50T	Animal source food

QC0147	IAC for Aminoglycosides	2000 ng	3mL, 25T	Animal source food
QC0148	IAC for Aminoglycosides	2000 ng	3mL, 50T	Animal source food
QC0082	IAC 3-in-1 Diethylstilbestrol/Hexoestrol/ Dienestrol	Diethylstilbestrol: 400 ng Hexoestrol: 200 ng Dienestrol: 100 ng	3mL, 25T	Animal source food
QC0083	IAC 3-in-1 Diethylstilbestrol/Hexoestrol/ Dienestrol	Diethylstilbestrol: 400 ng Hexoestrol: 200 ng Dienestrol: 100 ng	3mL, 50T	Animal source food
QC0243	IAC for Ractopamine	500 ng	6mL, 10T	Meat

Dairy			
Catalogue No.	Product Name	Column Capacity	Specification
Mycotoxins			
QC0068	IAC for Aflatoxin M ₁	100 ng	1mL, 25T
QC0069	IAC for Aflatoxin M ₁	100 ng	1mL, 50T
QC0131	IAC for Aflatoxin M ₁	100 ng	3mL, 25T
QC0071	IAC for Aflatoxin M ₁	100 ng	3mL, 50T
QC0132	IAC for Aflatoxin M ₁ , M ₂	200ng	3mL, 25T
QC0073	IAC for Aflatoxin M ₁ , M ₂	200ng	3mL, 50T
Hormones			
QC0134	IAC for Zearanols	100 ng	3mL, 25T
QC0077	IAC for Zearanols	100 ng	3mL, 50T
Nutrients			
QC0135	IAC for Folic Acid	500ng	3mL, 25T
QC0085	IAC for Folic Acid	500ng	3mL, 50T
QC0136	IAC for Biotin*	1000ng	3mL, 25T
QC0087	IAC for Biotin*	1000ng	3mL, 50T
QC0137	IAC for Bovine Immunoglobulin G	15mg	3mL, 25T
QC0138	IAC for Bovine Immunoglobulin G	15mg	3mL, 50T
QC0139	IAC for Vitamin B ₁₂ *	1000ng	3mL, 25T
QC0092	IAC for Vitamin B ₁₂ *	1000ng	3mL, 50T
QC0140	IAC for Heparin	10mg	3mL, 25T
QC0108	IAC for Heparin	10mg	3mL, 50T



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