



Eurofins Technologies Immunoaffinity Columns

Eurofins Technologies provides an extensive portfolio of mycotoxin and vitamin immunoaffinity columns. Simple and reliable sample purification solutions for the food and feed industry are available for the majority of regulated mycotoxins.

Eurofins Technologies *SENSIColumn* IAC are offered in a 3 ml format designed for application in various analytical techniques, including HPLC, GC-MS, LC-MS/MS, and ELISA. Especially the multi-mycotoxin IAC column, designed for detection of multiple mycotoxins on LC-MS/MS systems, and the ergot alkaloid IAC column are innovative purification solutions for the food and feed industries.

Key Benefits of the *SENSIColumn* IAC

- Excellent flow behaviour
- Extremely robust
- Easy enrichment guaranteed
- Highly specific purification with monoclonal antibodies
- Wide range of application for various matrices
- Multi-analyte IACs for LC-MS/MS application
- Long shelf life
- Fast (15 to 30 min)

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Immunoaffinity Principle

After extraction of mycotoxins or vitamins from a food or feed sample, the background matrix is still complex, containing many compounds that may affect an exact quantitation of the analyte.

The state-of-the-art method to remove such interfering compounds is the application of an immunoaffinity column. IAC columns consist of highly specific monoclonal antibodies coupled to a gel that provides a column packing with high affinity to the analyte and excellent flow behavior.

The immunoaffinity purification process typically consists of three steps: binding, washing and elution.

Sample extracts are applied to the IAC column and depending on the analyte, binding and washing steps are performed in PBS or similar buffers. Subsequently, the isolated analyte is eluted with methanol or acetonitrile allowing for a direct injection into the HPLC system.

Mycotoxin Immunoaffinity Columns



Article no.	Description	No. of Columns
EFAF3105	SENSI <i>Column</i> IAC Aflatoxin total Size 3 ml	50
EFAFM3115	SENSI <i>Column</i> IAC Aflatoxin M1 Size 3 ml	50
EFOT3125	SENSI <i>Column</i> IAC Ochratoxin Size 3 ml	50
EFZE3155	SENSI <i>Column</i> IAC Zearalenone Size 3 ml	50
EFD03135	SENSI <i>Column</i> IAC Deoxynivalenol Size 3 ml	50
EFFU3145	SENSI <i>Column</i> IAC Fumonisin Size 3 ml	50
EFTE3165	SENSI <i>Column</i> IAC T2/HT2 Size 3 ml	50
EACA3215	SENSI <i>Column</i> IAC Combi Afla+Ochra Size 3 ml	50
EFCZ3225	SENSI <i>Column</i> IAC Combi Afla+Ochra+Zeara Size 3 ml	50
EFCD3235	SENSI <i>Column</i> IAC Combi Deoxinivalenol+Zearalenone Size 3 ml	50
EFCM3265	SENSI <i>Column</i> IAC Combi AOZDFT all in one for LC-MS/MS Size 3 ml	50
EFLS3275	SENSI <i>Column</i> IAC Ergot Alkaloids Size 3 ml	50

Vitamin Immunoaffinity Columns



Article no.	Description	No. of Columns
EFSA3175	SENSI <i>Column</i> IAC Biotin Size 3 ml*	50
BTCA3185	SENSI <i>Column</i> IAC Vitamin B12 Size 3 ml	50
BTFS3195	SENSI <i>Column</i> IAC Folic Acid Size 3 ml	50
FITC-SA-Kon	*FITC-streptavidin-conjugate (25 Vials, 1mg)	25 vials

Eurofins Technologies Diagnostic Kits and Instruments

- Allergens
- Pathogens
- GMOs
- Mycotoxins
- Veterinary Drugs Residues
- Veterinary Diagnostics
- Environmental & Water Testing
- Fully-automated ELISA-based instruments (ThunderBolt®, The BOLT™)

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