

**Three needles instead of one!  
Parallelization at an  
affordable price**

## **Your special advantages at a glance:**



AcceCLEAN™ **enhances your throughput** - time-consuming manual work during sample preparation is automated.



The work with AcceCLEAN™ **perfectly fits common HPLC running times** - Three samples are sequentially analysed within 40 minutes.



In AcceCLEAN™ the immunoaffinity columns are closed on top of the autosampler and thus remain **precise and functional**.



AcceCLEAN™ **operates totally autonomously** - neither supervision nor any subsequent device is needed.

# AcceCLEAN™

**Automated Sample Preparation  
for Immunoaffinity Columns**

SOLUTIONS BY **LC** Tech

# AcceCLEAN™

## Automated Sample Preparation System for Immunoaffinity Columns

Using the LCTech robotic system AcceCLEAN™  
you simplify and accelerate sample preparation for your  
analysis of mycotoxins in food and feed.

The system cleans up crude extracts of a broad range  
of matrices via immunoaffinity columns - up to 30 samples  
in one run, three samples simultaneously.

**3 samples  
at one time**



Dimensions (WDH): 78x53x38 cm



**1** Plug valve for eight ports,  
seven for different solvents,  
one for air



**4** Illuminated LCD screen



**2** Dispensers with buffer loops



**5** Rack platform with up to ten racks  
with three samples each



**3** Three simultaneously  
operating needles



**6** Robust construction with stainless  
steel and aluminium for daily use

Test results for AcceCLEAN™

Lctech.de

www.

**We have tested AcceCLEAN™ in detail for you:**

Comparison of a sample with 300 ppb (artificially spiked) and a subsequent blank sample:

Aflatoxins	G2	G1	B2	B1
Area sample	865	1490	1108	2390
Area blank sample	0	0	0	0

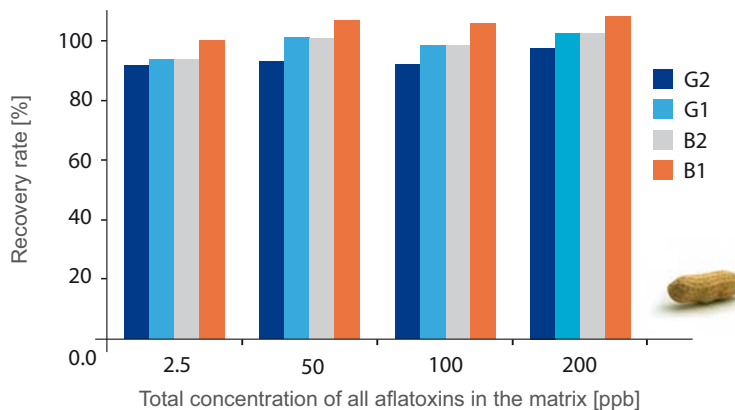
AcceCLEAN™ operates enormously properly and shows **no cross-contamination** from sample to sample.

Comparison of recovery rates (rec. rate) of ochratoxin A at manual and automated operation of immunoaffinity columns with different matrices:

LCtech column type	Matrix	Rec. rate manual [%]	Rec. rate automated with AcceCLEAN™ [%]
OtaCLEAN™	Peanut butter	97	97
OtaCLEAN™	Maize	94	93
Afla-OtaCLEAN™	Rice	91	93

For both the manual and automated operation recovery rates are very high. Automation stabilizes **comparability at a high stage.**

Recovery rates of aflatoxins in peanut butter, operated with 3 mL AflaCLEAN columns in AcceCLEAN™:



AcceCLEAN™ shows **perfect recovery rates** over a wide range of concentration. This kind of analysis is thus suitable for both food with low limit values and feed.

**LCtech immunoaffinity columns for sample preparation for your mycotoxin analysis:**



**Ordering information**

**AcceCLEAN™, robotic system for the automated handling of IAC columns, etc. for up to 30 samples**

P/N 11020

**Rack for 30mL vials, three samples simultaneously**

P/N 11262