



Exceptionally small.
Exceptionally fast.
Exceptionally low priced.
Exceptional.

Immunoaffinity Column for the Aflatoxins B1, B2, G1 and G2

The immunoaffinity column AflaCLEAN™ SMART is designed for sample clean-up for subsequent Aflatoxin analysis.

It has a loading capacity of 100 ng Aflatoxin B1 and thus complies with AOAC regulations.

Save Time and Money

The column AflaCLEAN™ SMART is exceptionally small (3 cm) and as a result is low-priced - an advantage that LCTech is pleased to pass on to customers.

Moreover the consumption of solvents is strongly reduced and sample handling is very fast. That's why the column helps to save much money and time.

Reduced Solvent Consumption

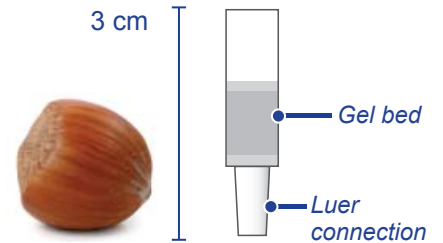
During extraction, dilution, washing, sample loading and elution **more than 80 % of the solvents can be saved.**

Faster Sample Handling

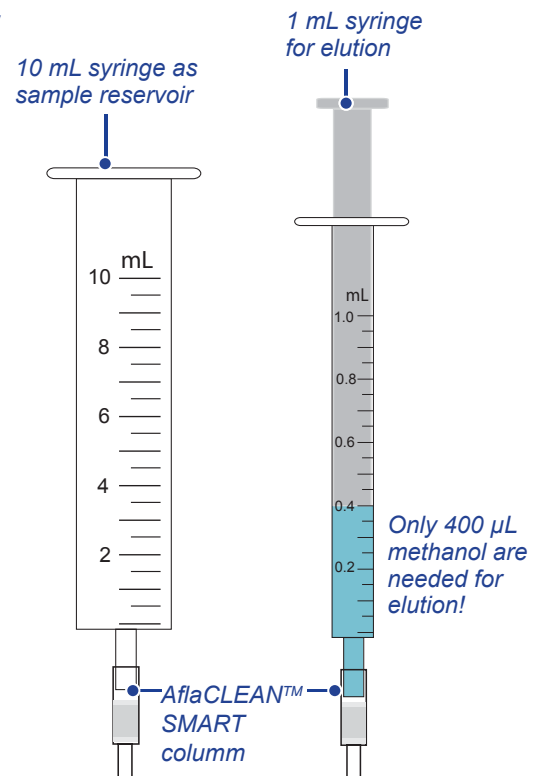
During essential steps of the clean-up with the immunoaffinity column AflaCLEAN™ SMART the time for sample handling is significantly reduced:

- ✓ It is not necessary to empty the column.
- ✓ Sample loading maximally takes 4 minutes with 10 mL sample input (maximally recommended) and a flow rate of 3 mL / min.
- ✓ For the evaporation for solvent exchange maximally 400 µL elution volume is used. It thus takes significantly less time, moreover nitrogen consumption is reduced.

Original size!



The new LCTech immunoaffinity column AflaCLEAN™ SMART ...



.. can easily be connected to a normal 10 mL syringe for sample application or a 1 mL syringe for elution.



Ordering information

Excellent Recoveries

The immunoaffinity column AflaCLEAN™ SMART has been tested and validated by LCTech. It shows brilliant recoveries for several matrices:

Recoveries (%) of the aflatoxins B1, B2, G1 and G2 in different matrices, cleaned up with the LCTech immunoaffinity column AflaCLEAN™ SMART

Matrix	B1	B2	G1	G2
Hazelnut	104	98	101	83
Peanut	106	99	100	85
Pistachio	99	94	95	81
Maize	101	95	100	85

The samples were spiked with 10 ppb aflatoxin total. 0.28 g of matrix were applied to each column.



Ordering Information

Immunoaffinity Column for the Aflatoxins B1, B2, G1 and G2

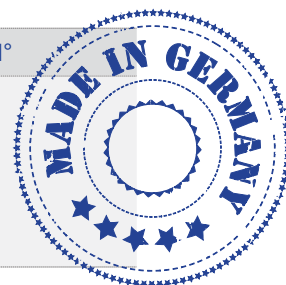
Product N°

AflaCLEAN™ SMART
12 months shelf life, cooled at 4°C
One graduated PP syringe, 10 mL and 1 mL, per package

100 columns / package
500 columns / package

12862

12863



Additionally recommended:

for high throughput

Vacuum manifold, e.g. EluVac™ by LCTech, complete set consists of EluVac™ basic system for 20 samples, holder for sample reservoirs and rack for eluate collection in 4 mL vials, with 20 adapters for GC vials (1 mL)	12856
10 mL, graduated syringe for sample loading 100 pieces / package	11380
1 mL, graduated syringe for elution 100 pieces / package	12855
GC vial with insert, max. 0.5 mL for eluate collection	not provided by LCTech

for manual handling

Standard lab stand with clamp	not provided by LCTech
10 mL, graduated syringe for sample loading 100 pieces / package	11380
1 mL, graduated syringe for elution 100 pieces / package	12855
GC vial with insert, max. 0.5 mL for eluate collection	not provided by LCTech

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The company LCTech GmbH is certified according to ISO 9001:2008

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