

## Three Columns in Parallel



*Accu*CLEAN™

**Automated Sample Preparation  
with SPE and Immunoaffinity Columns**

SOLUTIONS BY **LC** *Techn*



## Automated Sample Preparation with SPE and Immunoaffinity Columns

### Fully Automated Extract Clean-Up

The LCTech sample preparation system AcceCLEAN™ employs automated raw extract processing with SPE or immunoaffinity columns.

Thus, samples are cleaned up faster and more conveniently and are ready for subsequent analysis.

### Three Needles = Threefold Throughput

The AcceCLEAN™ handles up to three samples simultaneously and up to thirty in one run.

### Precision at the Highest Level

The technique of positive overpressure provides constant, reproducible flow rates.

During the entire cleaning process the columns are closed with a lid.

Additionally high quality components provide high precision.

### Analytically Reliable

No cross-contamination from sample to sample occurs. You will receive excellent recovery rates, e.g.

Recovery rate of the mycotoxin Ochratoxin A in peanut butter (with LCTech immunoaffinity column OtaCLEAN™)

Manual clean-up 94 %

Automated clean-up with AcceCLEAN™ 93 %

### Design for Your Laboratory Routine

A sample preparation system has to be robust to endure daily use in the laboratory.

In line with what all LCTech products are well known for, the AcceCLEAN™ has been designed for robust and safe use. Quality without compromise.

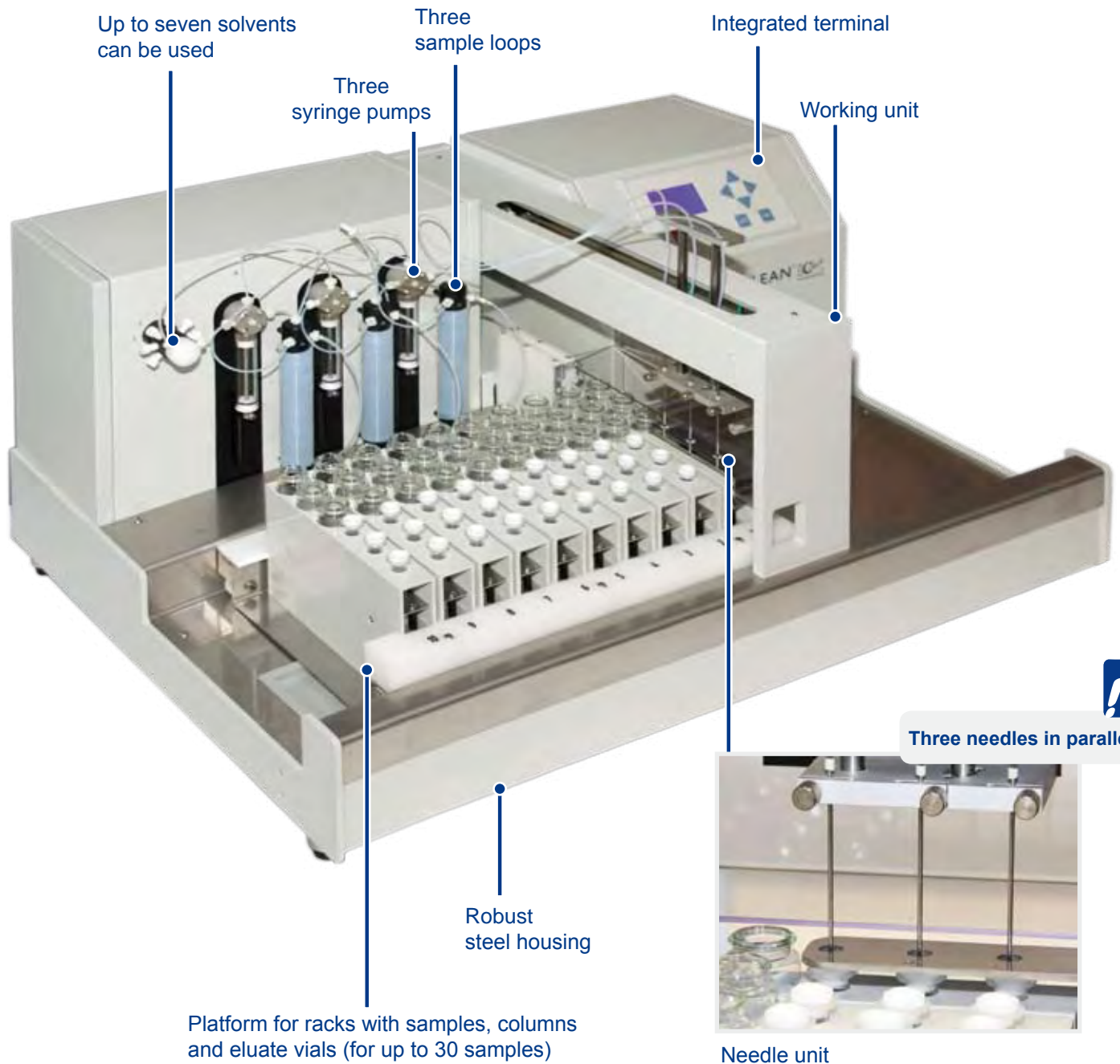


Three columns in parallel

*Step up the pace of your sample clean-up*

## Enhanced throughput

The AcceCLEAN™ accelerates your sample preparation  
- at an affordable price



Why not automate time-consuming working steps with AcceCLEAN™!



## Automated Sample Preparation with SPE and Immunoaffinity Columns

### Ready for Operation in Next to No Time

For first-time operation no time-consuming installation is required, the device is ready to use.

### Diverse Applications Possible

The system can be used for standard columns of different suppliers in the sizes 1, 3 and 6 mL.

It is designed for a sample volume of up to 30 mL and for eluate vials of 4 or 10 mL.

Up to seven solvents can be used simultaneously.

### Relief for Every-day Work

The AcceCLEAN™ is already used routinely in many laboratories for beverages, food and feed as well as for environmental samples.

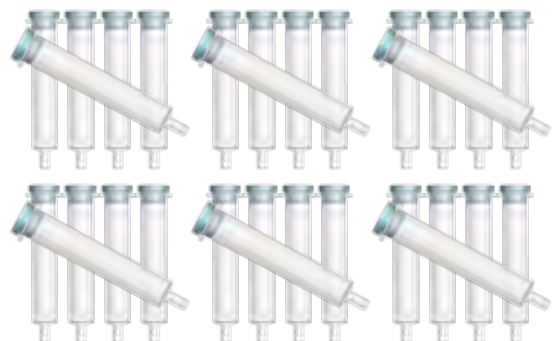
Regardless whether you focus on PCBs in soil, pesticides in fruit or mycotoxins in herbs and spices - **whenever required, AcceCLEAN™ will support your need for a higher quantity of SPE or IAC columns.**



SPE standard columns  
1 mL, 3 mL, 6 mL  
can be used



30 columns  
in one run



*Flexible  
- adaptable*

## Fully Automated Handling

Place your samples and columns in the AcceCLEAN™, fill the solvent reservoirs, choose the method for the sample list and press RUN.

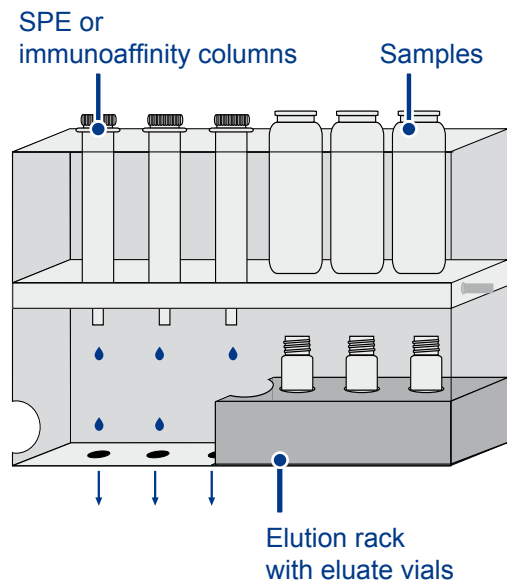
The AcceCLEAN™ will do the rest.

### Preparing Steps

The samples and columns are placed into the single racks. The eluate vials are put into the elution rack and pushed into the sample rack.

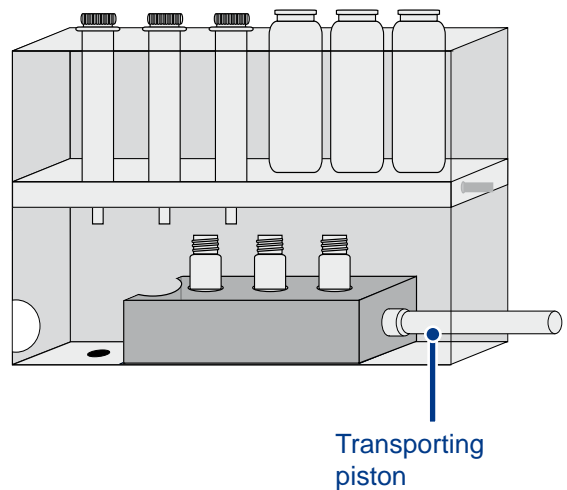
### Load, Wash, Dry, Drain

During these working steps the waste fluids are collected directly below the columns and drained off through the AcceCLEAN™ into an external bottle.



### The Intermediate Step

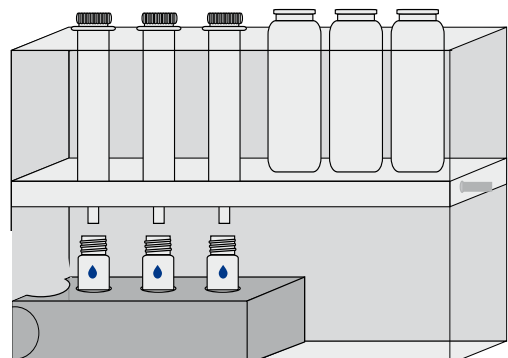
A piston, which is integrated in the system, transports the elution rack with the eluate vials to the new position.



### Elute

The elution rack is now placed directly below the columns.

The eluate is collected in the eluate vials.





## Automated Sample Preparation with SPE and Immunoaffinity Columns

The AcceCLEAN™ allows simple operation with no major headaches.



### Intuitive from the Beginning

The integrated LCD display and eight keys - that's is all you need to control your AcceCLEAN™.

Without previous knowledge, methods can be quickly called up, changed or stored.

With the easily understandable, menu-based navigation you unerringly control and keep track of all processes.

### Methods Created with Little Effort

By pressing a few keys only you can create a completely new method and assign it to one or several samples.

The system saves up to 50 methods, that can be called up at anytime.

### Ready for Standard Tasks

Two standard applications are already pre-programmed: the processings using any LCTech IAC column with either 10 or 25 mL raw extract applied to the column.

Rack	A	B	C	meth
1	1	2	3	3
2	4	5	6	3
3	7	-	-	3
4	-	-	-	-
5	10	11	-	4
Sampl. 10 - 11				meth. 4

In the sample list a method is assigned to each rack.

In the last line the user is able to define one method for several racks simultaneously

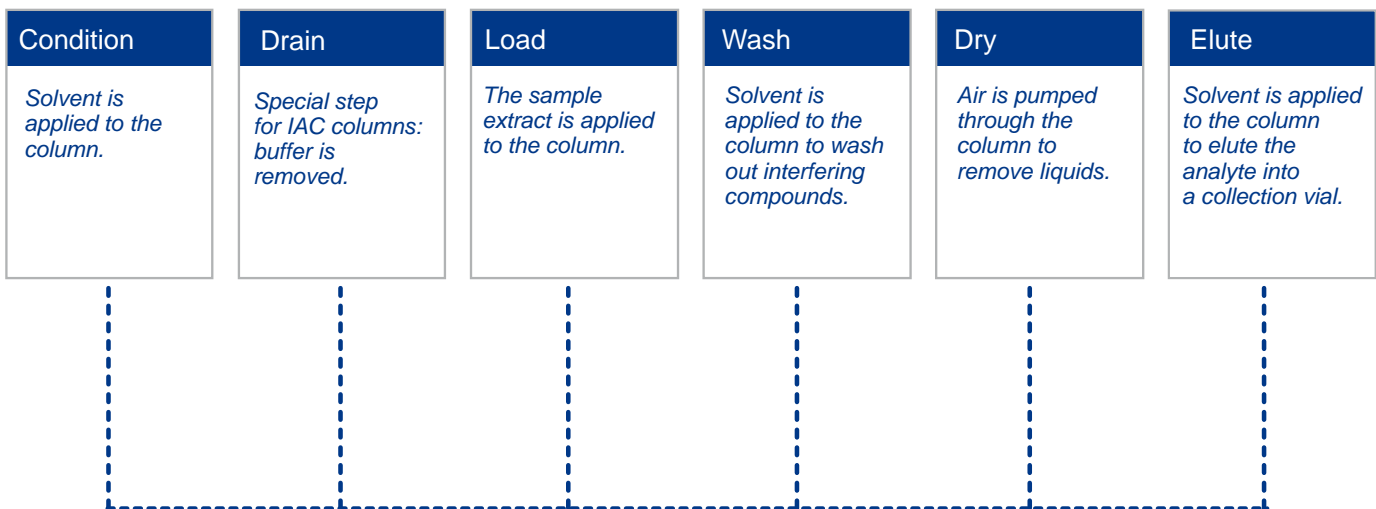


*In the course of time your applications might change.*

*The AcceCLEAN™ however stays flexible and can be adjusted anytime.*

*Perfect conditions for long-term usage in your laboratory.*

These single steps can be combined arbitrarily, repeated or left out:



*For each of these six steps parameters can be defined individually.*

*A method editor checks for plausibility.*

Flow rate: 0 - 10 mL/min (spd)  
 Volume: 0 - 9.5 mL (v)  
 Repetition: 1 - 9fold (n)  
 Solvent: 1 - 7 (p)  
 Delay time: 0 - 999 s (t)

At the screen:

1	-	LCTech			10mL
proc.	p	v	n	t	spd
Drain	5	0.5	1	0	2.0
Load	1	5.0	2	2	2.0
Wash	1	10	1	0	2.0
Dry	5	10	1	4	2.0
Elute	3	1.0	1	300	0.1
Elute	3	1.0	1	0	0.1

*Here as example a pre-programmed default method for LCTech immunoaffinity columns*

**A method suited to your application**



## LCTech GmbH

Bahnweg 41  
84405 Dorfen, Germany

Tel. +49 (0)8081 / 9368-0  
Fax +49 (0)8081 / 9368-10

info@LCTech.de

Visit us at [www.LCTech.de](http://www.LCTech.de)

## And a distributor nearby

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



Ordering Information	
Product number	Description
11020	AcceCLEAN™, Sample preparation system for SPE and IAC columns, 100 to 240 V, dimensions (wdh): 78x53x38 cm, weight: ca. 40 kg
<b>Arbitrarily combinable racks:</b>	
11630	Rack for 1mL columns, max. 30 mL sample reservoir
11631	Rack for 3mL columns, max. 30 mL sample reservoir
11632	Rack for 6mL columns, max. 30 mL sample reservoir
11633	Elution rack for 4 mL vials
11634	Elution rack for 10 mL vials
Further accessories on request (e.g. lids, vials, ...)	

We reserve the right for technical changes. LCTech assumes no liability for the above and the illustrated application examples.

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