

Analyst workshops R-Biopharm AG for end customers

- Mycotoxins
- Real-time PCR
- Allergens
- Microbiology
- Antibiotics

2018



Analyst workshops R-Biopharm AG 2018

for end customers

Title	Date	Time*	Closing date
Mycotoxins (ELISA/LFD/IAC/automation)	November, 07 th November, 08 th November, 09 th	01:00 p.m. to 05:00 p.m. 09:00 a.m. to 05:00 p.m. 09:00 a.m. to 04:00 p.m.	September 01 st , 2018
Real-time PCR Basic workshop	November, 12 th November, 13 th November, 14 th	10:00 a.m. to 04:30 p.m. 09:00 a.m. to 04:30 p.m. 09:00 a.m. to 04:30 p.m.	September 01 st , 2018
Allergens (PCR/ELISA/LFD/automation)	November, 19 th November, 20 th November, 21 st	09:00 p.m. to 04:00 p.m. 09:00 a.m. to 04:00 p.m. 09:00 a.m. to 12:30 p.m.	September 12 th , 2018
Microbiology Pathogens (ELISA/PCR/automation)	November, 26 th November, 27 th November, 28 th	09:00 p.m. to 04:00 p.m. 09:00 a.m. to 04:00 p.m. 09:00 a.m. to 12:30 p.m.	September 12 th , 2018
Antibiotics (ELISA/IAC/HPLC)	December, 03 rd December, 04 th December, 05 th	09:00 a.m. to 04:00 p.m. 09:00 a.m. to 04:00 p.m. 09:00 a.m. to 12:30 p.m.	September 17 th , 2018

General information

- **Location:**
All workshops will take place at R-Biopharm AG, Darmstadt, Germany
- **Number of the participants:**
Limited to a minimum of 5 and a maximum of 10 persons of the following workshops: antibiotics, mycotoxins, allergens, microbiology, vitamins, enzymatic. For PCR the limit is 2 to 4 participants.
- **Included into workshop fee*:**
2 overnight stays, transfer hotel/R-Biopharm AG, voucher, dinner, social event
- **Not included:**
Travel costs, transfer airport/hotel, additional nights
- **Cancellation fee:**
200.00 EUR cancellation fee will be charged should the booking be cancelled after closing date of the booked workshop
- **Communication language:**
English

* detailed information at the related workshop

Please use our registration tool at R-Biopharm website: www.r-biopharm.com/events

Mycotoxin workshop

ELISA/LFD/IAC/Automation



Overview

Are you interested to gain insights into the challenging and dynamic “World of Mycotoxins”? Is quality control of food and animal feed products essential for you or one of your colleagues?

Well trained staff is an absolute necessity not at least because many companies are ISO certified. This implies training of staff on a regular basis. Within this workshop we are pleased to offer you knowledge of mycotoxins and provide information about analytical methods to efficiently determine those active substances produced by molds.

This workshop is a great opportunity for employees of food producing companies but also for governmental and private laboratories.

Benefits of the workshop

Besides a theoretical introduction to mycotoxins, legislation, sampling and quality assurance you will get insights into the variety of manual and automated solutions R-Biopharm offers for the determination of mycotoxins.

In a practical part you will have the opportunity to get a practical hands-on training on mycotoxin ELISA, lateral flow tests and immunoaffinity columns.

Results interpretation and trouble shooting are essential parts of the training.

Proposed agenda

The 2 ½ day event is suitable for customers interested in the analysis of mycotoxins in food & feed.

Day 1:

Theory

- Introduction to mycotoxins
- Methods for mycotoxins analysis (lateral flow, card tests, ELISA, solid phase columns, immunoaffinity columns (IAC) prior to HPLC, LC-MS/MS or GC)
- Introduction to automation

Day 2:

Practical training

- Practical training on RIDASCREEN® ELISA
- Practical training on RIDA®QUICK lateral flow tests
- Practical training on EASI-EXTRACT® immunoaffinity columns (please note: HPLC sample injection will be conducted by an R-Biopharm employee)
- Practical training on RIDA®SMART APP

Day 3:

KOBRA® CELL, RIDA®SOFT Win, troubleshooting

- Interpretation of HPLC chromatograms
- KOBRA® CELL
- ELISA evaluation with RIDASOFT® Win.NET software
- Troubleshooting (ELISA, lateral flow, IAC)

Mycotoxin workshop

ELISA/LFD/IAC/Automation

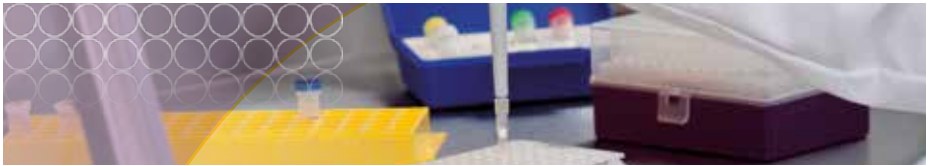


Date	November 07 th - 09 th , 2018
Time	November 07 th : 01:00 p.m. to 05:00 p.m. November 08 th : 09:00 a.m. to 05:00 p.m. November 09 th : 09:00 a.m. to 04:00 p.m.
Location	R-Biopharm AG, Darmstadt, Germany
Training costs	850.00 EUR + 19 % VAT Training includes all refreshments during coffee breaks and lunch breaks, hand-outs, materials for practical demonstrations and training certificates + soiree (evening entertainment, first two evenings) + voucher for mycotoxin test kits (list on request) + 2 overnight stays in the Ramada Hotel Darmstadt**** or equivalent
Accommodation costs	The two overnight stays (single room, November 07 th - 09 th , 2018) in the Ramada Hotel Darmstadt**** or equivalent are included in the workshop fee. Further costs of accommodation must be covered by the participants
Travel costs	All costs of travel should be covered by the customer
Transfer between R-Biopharm and hotel	Taxi-transfer in the morning and after the workshop is included and will be arranged by R-Biopharm
Important advice	The number of participants for this workshop is limited. Communication language will be English
Closing date for registration	September 01 st , 2018

Information & registration:

International Sales Department
 Phone: +49 (0) 61 51 - 81 02-460
 Fax: +49 (0) 61 51 - 81 02-40
 E-mail: sales@r-biopharm.de
 Registration: www.r-biopharm.com/events

Real-time PCR – basic workshop



Overview

Nowadays, education is essential within the scope of quality control of food and animal feed products.

Well trained personal is necessary not at least because many companies are ISO certified. This implies training of staff on a regular basis.

Our workshops are a great opportunity for employees of the food producing companies but also for governmental and private laboratories to familiarize themselves with the appropriate analysis.

Our real-time PCR workshop is divided into a theoretical and a practical part. Additionally, the required equipment for real-time PCR analysis is presented and the organization of the workflow is demonstrated as well as the interpretation of results with a common qPCR cyclor.

Proposed agenda

The 3 day event is for customers working with SureFood®/SureFast® real-time PCR kits and/or having experience in performing real-time PCR.

The workshop deals with the principle of real-time PCR and their applications in food analysis.

Improve the knowledge of analyzing with SureFood®/SureFast® products:

Day 1:

SureFast® PATHOGEN

- Introduction PCR (theory)
- Introduction pathogens (theory)
- DNA preparation (practice)
- Qualitative real-time PCR (practice)

Day 2:

SureFood® GMO

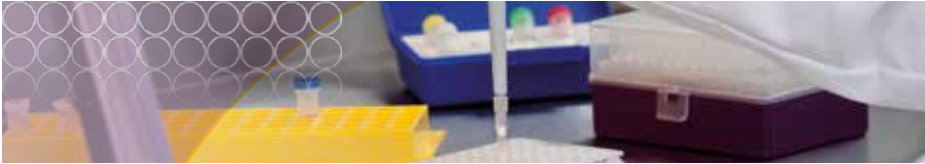
- GMO (theory)
- GMO detection screening (practice)
- GMO quantification (theory)

Day 3:

SureFood® ANIMAL ID

- Quantitative PCR animal identification (practice)

Real-time PCR – basic workshop



Date	November 12 th - 14 th , 2018
Time	November 12 th : 10:00 a.m. to 04:30 p.m. November 13 th : 09:00 a.m. to 04:30 p.m. November 14 th : 09:00 a.m. to 04:30 p.m.
Location	R-Biopharm AG, Darmstadt, Germany
Training costs	850.00 EUR + 19 % VAT Training includes all refreshments during coffee breaks and lunch breaks, hand-outs, materials for practical demonstrations and training certificates + soiree (evening entertainment, first two evenings) + voucher for 1x SureFood®/SureFast® PREP test kit (ALLERGEN, GMO, ANIMAL, PATHOGEN) + voucher for 1x SureFood®/SureFast® detection kit (exclusive kits from the VIRUS-real time reverse transcriptase PCR product line) + 2 overnight stays in the Ramada Hotel Darmstadt**** or equivalent
Accommodation costs	The two overnight stays (single room, November 12 th - 14 th , 2018) in the Ramada Hotel Darmstadt**** or equivalent are included in the workshop fee. Further costs of accommodation must be covered by the participants
Travel costs	All costs of travel should be covered by the customer
Transfer between R-Biopharm and hotel	Taxi-transfer in the morning and after the workshop is included and will be arranged by R-Biopharm
Important advice	The number of participants for this workshop is limited. Communication language will be English
Closing date for registration	September 01 st , 2018

Information & registration:

International Sales Department
 Phone: +49 (0) 61 51 - 81 02-460
 Fax: +49 (0) 61 51 - 81 02-40
 E-mail: sales@r-biopharm.de
 Registration: www.r-biopharm.com/events

Allergens workshop

ELISA/LFD/PCR/Automation



Overview

Allergen analysis plays an important role in food testing. This workshop covers practical work in the lab and presentations by the allergen experts. The most used technologies for allergen testing such as LFD (lateral flow device), ELISA and PCR will be discussed.

Our allergen workshop is divided into a theoretical and a practical part. Additionally, the required equipment for real-time PCR analysis is presented and the organization of the workflow is demonstrated as well as the interpretation of results with a common qPCR cyclor. Furthermore, automation of ELISA test system will be an important part of this workshop.

Benefits of the workshop

Well trained personal is necessary not at least because many companies are ISO certified. This implies training of staff on a regular basis. Our workshops are a great opportunity for employees of the food producing companies but also for governmental and private laboratories to familiarize themselves with the appropriate analysis.

Proposed agenda

The 2 ½ day event is for customers working with SureFood®, Lateral Flow and ELISA test kits. The workshop days can also be booked individually.

Day 1:

Introduction to food allergens

- Introduction to allergen methods (ELISA, LFD, PCR)
- Automation using ChemWell® and GEMINI
- Running of allergen test kits on an automate
- Discussion of results

Day 2:

RIDASCREEN® allergen tests and bioavid lateral flow tests

- Practical work in the lab using ELISA and LFD
- Discussion of results

Optional Day 3:

SureFood® ALLERGEN

- Introduction to PCR
- Demonstration of PCR kits
- Discussion of results

Allergens workshop

ELISA/LFD/PCR/Automation



Date	November 19 th - 21 st , 2018
Time	November 19 th : 09:00 a.m. to 04:00 p.m. November 20 th : 09:00 a.m. to 04:00 p.m. November 21 st : 09:00 a.m. to 12:30 p.m.
Location	R-Biopharm AG, Darmstadt, Germany
Training costs	850.00 EUR + 19 % VAT Training includes all refreshments during coffee breaks and lunch breaks, hand-outs, materials for practical demonstrations and training certificates + soiree (evening entertainment, first two evenings) + voucher for allergen test kits (list on request) + 2 overnight stays in the Ramada Hotel Darmstadt**** or equivalent
Accommodation costs	The two overnight stays (single room, November 19 th - 21 st , 2018) in the Ramada Hotel Darmstadt**** or equivalent are included in the workshop fee. Further costs of accommodation must be covered by the participants
Travel costs	All costs of travel should be covered by the customer
Transfer between R-Biopharm and hotel	Taxi-transfer in the morning and after the workshop is included and will be arranged by R-Biopharm
Important advice	The number of participants for this workshop is limited. Communication language will be English
Closing date for registration	September 12 th , 2018

Information & registration:

International Sales Department
 Phone: +49 (0) 61 51 - 81 02-460
 Fax: +49 (0) 61 51 - 81 02-40
 E-mail: sales@r-biopharm.de
 Registration: www.r-biopharm.com/events

Microbiology workshop – pathogens

ELISA/PCR/Automation



Overview

Are you familiar with test kits for pathogens?
Do you know the right “method of choice”?

Monitoring pathogenic bacteria in food production is one of the basic principles of food safety. Manufactures can choose a broad variety of different test systems or laboratories to get a reliable overview of the safety status of their products. But analysts need to be familiar with the systems and should know about food matrices or accompanying organisms which could affect the tests.

The workshop “Pathogens” will show all participants the whole range of tests R-Biopharm can offer as analytical solutions for detection of pathogenic microorganisms. Beside a theoretical introduction into the background of bacterial pathogens and the performance of methods, a practical part will teach the participants how to run the test kits and how to recognize and fix possible problems.

Who should attend?

The workshop is suited for all employees of laboratories (commercial or industrial) who work in the field of analyzing food on microbiological parameters. Special knowledge about classical pathogen detection is not necessary.

Users who want to learn how pathogen analysis could be established in their lab as well as users who want to optimize their already existing pathogen testing systems are welcome to join this workshop which is designed to clarify such issues.

Proposed agenda

The 2 ½ day event will cover different methods for pathogen detection and confirmation. This workshop will deal with the principle of real-time PCR, ELISA and automation and their applications in food analysis. It will help to improve the knowledge of analyzing food samples with SureFood®/ SureFast®, RIDASCREEN® & Compact Dry products.

Day 1:

RIDASCREEN®/SureFast®/Salmonella sample preparation

- Introduction pathogens/enrichments (theory)
- DNA preparation from enrichment cultures (theory)
- Qualitative real-time PCR (theory)
- Sample preparation for pathogen enrichment (practice)
- Introduction to automation (ELISA) (practice)

Day 2:

RIDASCREEN®/SureFast®/Salmonella confirmation

- Set up of ELISA manually/automated
- Cultivation methods, ELISA and PCR (theory)
- DNA-preparation for SureFast® (practice)
- Set up of real-time PCR (practice)
- ELISA performance – continued (practice)
- Confirmation with Compact Dry SL (practice)

Day 3:

Evaluation and discussion of results

- Evaluation of ELISA, PCR and Compact Dry SL confirmation plates

Microbiology workshop – pathogens ELISA/PCR/Automation



Date	November 26 th - 28 th , 2018
Time	November 26 th : 09:00 p.m. to 04:00 p.m. November 27 th : 09:00 a.m. to 04:00 p.m. November 28 th : 09:00 a.m. to 12:30 p.m.
Location	R-Biopharm AG, Darmstadt, Germany
Training costs	850.00 EUR + 19 % VAT Training includes all refreshments during coffee breaks and lunch breaks, hand-outs, materials for practical demonstrations and training certificates + soiree (evening entertainment, first two evenings) + voucher for microbiology test kits (list on request) + 2 overnight stays in the Ramada Hotel Darmstadt**** or equivalent
Accommodation costs	The two overnight stays (single room, November 26 th - 28 th , 2018) in the Ramada Hotel Darmstadt**** or equivalent are included in the workshop fee. Further costs of accommodation must be covered by the participants
Travel costs	All costs of travel should be covered by the customer
Transfer between R-Biopharm and hotel	Taxi-transfer in the morning and after the workshop is included and will be arranged by R-Biopharm
Important advice	The number of participants for this workshop is limited. Communication language will be English
Closing date for registration	September 12 th , 2018

Information & registration:

International Sales Department
 Phone: +49 (0) 61 51 - 81 02-460
 Fax: +49 (0) 61 51 - 81 02-40
 E-mail: sales@r-biopharm.de
 Registration: www.r-biopharm.com/events

Antibiotics workshop

ELISA/IAC/Premi®Test/HPLC



Overview

Global population growth in addition with increasing meat consumption is leading to an intensification of livestock production. This is associated with an increased use of antibiotics in livestock breeding. The improper use as a pharmaceutical or illegal use as growth promoters can lead to antibiotic residues in food of animal origin and may pose a health risk to consumers. Moreover, the inappropriate use of antibiotics promotes a spread of multi-resistant bacteria and jeopardizes public health. For these reasons, most countries have established Maximum Residue Limits (MRLs) and monitoring programs for antibiotic residues in food. Non-compliance with these legislations can lead to severe penalties. For biotechnological industries, antibiotic residues bear a technological and economic risk, as they can inhibit production processes involving microorganisms, for instance cheese or yoghurt.

Benefits of the workshop

Our workshop gives an overview about methods for antibiotic residue analysis consisting of theoretical introduction and practical hands-on training. This practical work includes sample preparation, test implementation and interpretation of results. The workshop offers a great opportunity for all analysts from the manufacturing chain ranging from slaughterhouses over food processors and producers to governmental and private laboratories to familiarize themselves with the appropriate analysis.

Proposed agenda

The 2 ½ day event is for customers interested in analysis of antibiotic residues in food of animal origin.

The workshop covers the method range from antimicrobial screening and ELISA tests to HPLC analysis and gives extensive possibilities for practical sample preparation and test implementation.

Introduction into the complex of problems of antibiotic residues in food and feed (theory)

- Basic information about antibiotics and their usage
- Impacts of antibiotic residues
- Legislation overview
- Validation guidelines
- Available test systems

Premi®Test: Microbial broad spectrum screening

- Introduction (theory)
- Sample preparation and analysis of meat, shrimp and egg samples (practice)

RIDASCREEN® ELISA: Quantitative analysis

- Introduction (theory)
- Sample preparation of shrimp for the analysis of nitrofurans metabolites AMOZ, AOZ, AHD and SEM (practice)
- Manual ELISA analysis by hand (practice)
- Automated analysis with ChemWell® automate (theory and demonstration)

EASI-EXTRACT® and HPLC analysis:

- Confirmatory analysis
- Introduction (theory)
- Immunoaffinity column clean-up of chloramphenicol in honey samples (practice)

Antibiotics workshop

ELISA/IAC/Premi[®]Test/HPLC



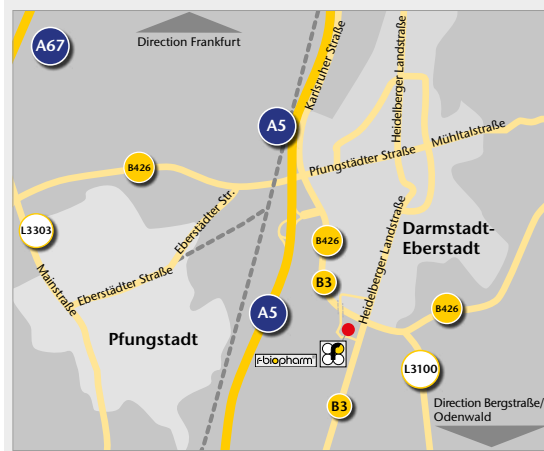
Date	December 03 rd - 05 th , 2018
Time	December 03 rd : 09:00 a.m. to 04:00 p.m. December 04 th : 09:00 a.m. to 04:00 p.m. December 05 th : 09:00 a.m. to 12:30 p.m.
Location	R-Biopharm AG, Darmstadt, Germany
Training costs	850.00 EUR + 19 % VAT Training includes all refreshments during coffee breaks and lunch breaks, hand-outs, materials for practical demonstrations and training certificates + soiree (evening entertainment, first two evenings) + voucher for antibiotics test kits (list on request) + 2 overnight stays in the Ramada Hotel Darmstadt**** or equivalent
Accommodation costs	The two overnight stays (single room, November 03 rd - 05 th , 2018) in the Ramada Hotel Darmstadt**** or equivalent are included in the workshop fee. Further costs of accommodation must be covered by the participants
Travel costs	All costs of travel should be covered by the customer
Transfer between R-Biopharm and hotel	Taxi-transfer in the morning and after the workshop is included and will be arranged by R-Biopharm
Important advice	The number of participants for this workshop is limited. Communication language will be English
Closing date for registration	September 17 th , 2018

Information & registration:

International Sales Department
 Phone: +49 (0) 61 51 - 81 02-460
 Fax: +49 (0) 61 51 - 81 02-40
 E-mail: sales@r-biopharm.de
 Registration: www.r-biopharm.com/events

Travel information

How to find us



R-Biopharm AG

An der neuen Bergstraße 17

64297 Darmstadt, Germany

Phone: +49 61 51 - 81 02-0

Fax: +49 61 51 - 81 02-40

E-mail: info@r-biopharm.de

www.r-biopharm.com

Arrival by car:

- Motorway A5, exit No. 27 turn on direction Darmstadt-Eberstadt, Pfungstadt-Ost, Höchst i. OW to B426, B3
- Straight ahead to the traffic lights, then turn right direction Heidelberg, Mühlthal
- After ~ 1.2 km at the next traffic light turn right to the B3 (Heidelberger Landstraße)
- After ~ 200 m turn right (An der neuen Bergstraße)
- After ~ 200 m on the right side, R-Biopharm AG, An der neuen Bergstraße 17, 64297 Darmstadt

Arrival by train:

There are several train connections between Darmstadt and surrounding cities (Aschaffenburg, Frankfurt, Heidelberg, Mannheim, Mainz, etc.). Some ICE trains stop at the Darmstadt train station.

Arrival by air:

The nearest airport is Frankfurt International Airport.

Note:

Please indicate in your navigation system „An der neuen Bergstraße, 64319 Pfungstadt“!

Travel information

Transport information

Bus-transfer service between Frankfurt International Airport and Darmstadt:

Service is provided by the AirLiner – Express Bus Service

www.heagmobibus.de

Bus travel time: ~ 30 minutes

Transfer costs: ~ 8.60 EUR for single fare

Taxi-transfer service between Frankfurt International Airport and Darmstadt:

We recommend the transfer service provided by RheinMain Transfer

Important note:

Preorder via phone +49 (0) 61 51 - 46 25 5 or via homepage (contact form) is required!

www.rheinmaintransfer.de

Taxi travel time: ~ 30 minutes

Transfer costs: ~ 45.00 EUR for single fare

General public transport:

Darmstadt's public transport is part of the Rhein-Main-Verkehrsverbund (RMV). Timetables, ticket purchases for travelling by public bus and rail can be checked on the RMV homepage

www.rmv.de/en/

Hotel recommendations

Special conditions at the following hotel available:

Welcome Hotel Darmstadt****

Karolinenplatz 4

64289 Darmstadt

Phone: +49 (0) 61 51 - 39 14-0

Fax: +49 (0) 61 51 - 39 14-444

E-mail: info.dar@welcome-hotels.com

www.welcome-hotel-darmstadt.de

Further hotel recommendations

H + Hotel Darmstadt****

Eschollbrücker Straße 16

64295 Darmstadt

Phone: +49 (0) 61 51 - 385-0

Fax: +49 (0) 61 51 - 385-100

E-mail: darmstadt@h-hotels.com

www.h-hotels.com

IBIS Budget City**/IBIS Darmstadt City**

Kasinostraße 4/6

64293 Darmstadt

Phone: +49 (0) 61 51 - 39 73 72-0 / 39 70-0

Fax: +49 (0) 61 51 - 39 73 72-5 / 39 70-123

E-mail: h3526@accor.com / h3287@accor.com

Hotel Stadt Heidelberg***

Heidelberger Landstraße 351

64297 Darmstadt-Eberstadt

Phone: +49 (0) 61 51 - 94 63-0

Fax: +49 (0) 61 51 - 94 63-48

E-mail: mail@hotel-stadt-heidelberg.de

www.hotel-stadt-heidelberg.de



R-Biopharm AG

An der neuen Bergstraße 17
64297 Darmstadt, Germany
Phone: +49 (0) 61 51 - 81 02-0
Fax: +49 (0) 61 51 - 81 02-40
E-mail: sales@r-biopharm.de