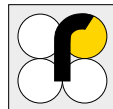


R-Biopharm – dedicated to food safety

r-biopharm®



Analyst workshops R-Biopharm for end customers

2019



Analyst workshops R-Biopharm 2019

for end customers

Title	Date	Time*	Closing date
Real-time PCR Basic workshop	November, 04 th November, 05 th November, 06 th	09:00 am to 04:30 pm 09:00 am to 04:30 pm 09:00 am to 12:30 pm	September 02 nd , 2019
Mycotoxins (ELISA/LFD/IAC/automation)	November, 06 th November, 07 th November, 08 th	01:00 pm to 05:00 pm 09:00 am to 05:00 pm 09:00 am to 04:00 pm	September 02 nd , 2019
Allergens (PCR/ELISA/LFD/automation)	November, 11 th November, 12 th November, 13 st	09:00 am to 04:00 pm 09:00 am to 04:00 pm 09:00 am to 12:30 pm	September 12 th , 2019
Antibiotics (ELISA/Premi®Test)	November, 13 th November, 14 th November, 15 st	01:00 pm to 05:00 pm 09:00 am to 05:00 pm 09:00 am to 04:00 pm	September 12 th , 2019
Microbiology Pathogens (ELISA/PCR/automation)	November, 18 th November, 19 th November, 20 th	09:00 am to 04:00 pm 09:00 am to 04:00 pm 09:00 am to 12:30 pm	September 17 th , 2019
Enzymatic	November, 20 th November, 21 st November, 22 nd	01:00 pm to 05:00 pm 09:00 am to 05:00 pm 09:00 am to 04:00 pm	September 17 th , 2019

General information

- **Location:**
All workshops will take place at R-Biopharm, Darmstadt, Germany
- **Number of participants:**
Limited to a minimum of 5 and a maximum of 8 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, 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

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 cycler.

Proposed agenda

The 2 ½ 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® ALLERGEN

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

Day 3: SureFood® ANIMAL ID

- Quantitative PCR animal identification (practice)

Real-time PCR – basic workshop



Date	November 04 th - 06 th , 2019
Time	November 04 th : 09:00 am to 04:30 pm November 05 th : 09:00 am to 04:30 pm November 06 th : 09:00 am to 12:30 pm
Location	R-Biopharm, 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 1 x SureFood®/SureFast® PREP test kit (ALLERGEN, GMO, ANIMAL, PATHOGEN) + voucher for 1 x SureFood®/SureFast® detection kit (exclusive kits from the VIRUS real-time reverse transcriptase PCR product line) + 2 overnight stays in the H+ Hotel Darmstadt**** or equivalent
Accommodation costs	The two overnight stays (single room, November 04 th - 06 th , 2019) in the H+ 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 02 nd , 2019

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

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 ELISAs, 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, ELISAs, 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® ELISAs
- 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, RIDASOFT® Win.NET, 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 06 th - 08 th , 2019
Time	November 06 th : 01:00 pm to 05:00 pm November 07 th : 09:00 am to 05:00 pm November 08 th : 09:00 am to 04:00 pm
Location	R-Biopharm, 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 H+ Hotel Darmstadt**** or equivalent
Accommodation costs	The two overnight stays (single room, November 06 th - 08 th , 2019) in the H+ 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
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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 cyclers. 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: PCR – SureFood® ALLERGEN

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

Day 2: RIDASCREEN® Allergen ELISAs and bioavid lateral flow tests

- Introduction to allergen methods
- Practical work in the lab using ELISA and LFD
- Discussion of results
- Validation

Day 3: Automate – ThunderBolt®

- Automation using ThunderBolt®
- Running of allergen test kits on an automate
- Discussion of results

Allergens workshop

ELISA/LFD/PCR/automation



Date	November 11 th - 13 th , 2019
Time	November 11 th : 09:00 am to 04:00 pm November 12 th : 09:00 am to 04:00 pm November 13 th : 09:00 am to 12:30 pm
Location	R-Biopharm, 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 H+ Hotel Darmstadt**** or equivalent
Accommodation costs	The two overnight stays (single room, November 11 th - 13 th , 2019) in the H+ 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
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Important advice	The number of participants for this workshop is limited. Communication language will be English
Closing date for registration	September 12 th , 2019

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Antibiotics workshop

ELISA/Premi®Test



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® (theory and demonstration)

Antibiotics workshop

ELISA/IAC/Premi®Test/HPLC



Date	November 13 th - 15 th , 2019
Time	November 13 th : 01:00 pm to 05:00 pm November 14 th : 09:00 am to 05:00 pm November 15 th : 09:00 am to 04:00 pm
Location	R-Biopharm, 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 H+ Hotel Darmstadt**** or equivalent
Accommodation costs	The two overnight stays (single room, November 13 th - 15 th , 2019) in the H+ 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
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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. Manufacturers 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
- Cultivation methods, ELISA (theory)
- DNA preparation for SureFast® Salmonella ONE (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 18 th - 20 th , 2019
Time	November 18 th : 09:00 am to 04:00 pm November 19 th : 09:00 am to 04:00 pm November 20 th : 09:00 am to 12:30 pm
Location	R-Biopharm, 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 H+ Hotel Darmstadt**** or equivalent
Accommodation costs	The two overnight stays (single room, November 18 th - 20 th , 2019) in the H+ 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 , 2019

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Enzymatic workshop



Overview

Enzymatic analysis allows to monitor the content of food and feed products regarding the presence of sugars, organic acids, alcohols and other food components. Therefore, it is used for many purposes like identity and authenticity of raw materials, purity control, assessment of nutritional parameters and even hygiene status (through the measurement of metabolic products from microorganisms).

These methods are used worldwide since several decades, so they have been thoroughly tested, validated and published in the literature. They have been selected as reference method by many international organizations (e.g. AOAC, CEN, IFU, IDF, ISO, and OIV) and they are still the reference today.

Benefits of the workshop

Nowadays, education is essential within the scope of quality control for food and animal feed products. Well-trained personal is necessary, not at least because many companies are ISO certified. 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 enzymatic analysis. The workshop is performed in 3 modules, from the easiest to the most advanced level.

Proposed agenda

The 2 ½ day event is for experienced customers working with enzymatic kits or customers interested in.

Day 1: Half day

- **Afternoon** (theory and practice):
RIDA®CUBE
Enzymatic analysis with single tests on a very small and easy-to-use instrument

Day 2: Basic training

Morning (theory and exercises):

- Theory on enzymatic testing (basic principles, test procedure, measuring range and linearity, trouble shooting, creep reaction)
- Quiz
- Calculation of results

Afternoon (practice):

- Enzymatic testing of apple juice with the Citric acid kit and Glucose/Fructose kit
- Discussion of results

Day 3: Advanced training

Morning (theory and exercises):

- Critical points in enzymatic testing (special test procedures, concentration units, lactose-free products, sample preparation, hints for all test kits)
- Quiz

Afternoon (practice):

- Measurement of lactose-free milk with the Glucose Remover kit and Lactose/Glucose test
- Discussion

Enzymatic workshop



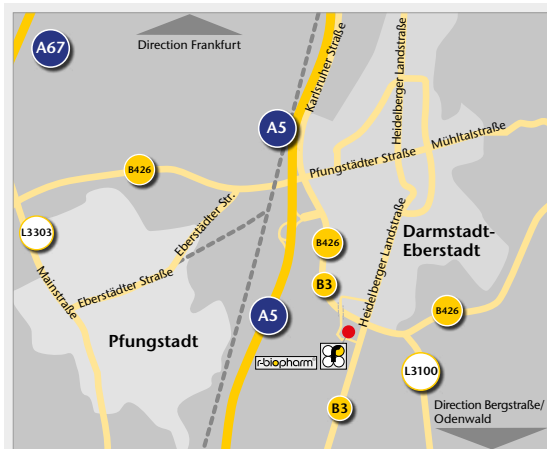
Date	November 20 th - 22 nd , 2019
Time	November 20 th : 01:00 pm to 05:00 pm November 21 st : 09:00 am to 05:00 pm November 22 nd : 09:00 am to 04:00 pm
Location	R-Biopharm, Darmstadt, Germany
Training costs	850.00 EUR + 19 % VAT Training includes all refreshments during coffee breaks and lunch breaks, 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 H+ Hotel Darmstadt**** or equivalent
Accommodation costs	The two overnight stays (single room, November 20 th - 22 nd , 2019) in the H+ 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 , 2019

Information & registration:

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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 (Heidelberg Landstraße)
- After ~ 200 m turn right (An der neuen Bergstraße)
- After ~ 200 m on the right side, R-Biopharm, An der neuen Bergstraße 17, 64297 Darmstadt

Note:

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

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.

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

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