



Speakers



Walid El Azab
STERIS Corporation, Belgium



Werner Hofstetter
Octapharma, Austria



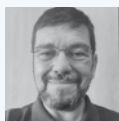
Arjan Langen
GE Healthcare, The Netherlands



Carsten Moschner
Dastex, Germany



Inga Marie Schlägl
Bayer, Germany



Axel Schroeder
Concept Heidelberg, Germany



Robert G. Schwarz
FH Campus Vienna, Austria



Wolf-Dieter Wanner
Germany

Contamination Control Strategies

Requirements, Measures and Strategies

26 - 28 September 2023 | Barcelona, Spain



Highlights

- Regulatory Requirements, incl. Annex 1
- Principles of Hygiene and Microbiology
- Disinfectants: Characteristics, Selection and Qualification
- Sources of Contamination and Preventive Measures
- Microbiological Monitoring and Trending
- Risk Management
- Handling of OOS Results
- Cleanroom Garment and Single Use Consumables
- Hygiene of Personnel and Training of Operators
- Contamination Control Strategy – a Dynamic System

This course will provide practice-oriented guidance and includes practical workshops and case studies

Objective

In most cases the implementation of appropriate hygiene programmes and measures have been implemented as an essential part for the manufacturing of pharmaceutical products. A series of regulations address the subject of microbiological facility control but GMP requirements are mostly described in more general terms. But how can they be introduced in pharmaceutical companies in a practice-oriented way? What is state-of-the-art? How should detergents and disinfectants be used?

The overall goal of such a system is to prevent microbiological contamination of the pharmaceutical product. But even if such a system has been established, it is of utmost importance that these programmes and measures are understood and followed by all operators who carry out quality-relevant work. Therefore, regulations demand intensive training in hygiene issues.

And in the **new Annex 1**, the overarching interlinking of the individual measures is now also clearly required with the **Contamination Control Strategy**.

Against the background of these requirements, this ECA education course is designed to cover all important aspects of controlling microbiological contamination. It ranges from sources of contamination to validation of cleaning and disinfection processes and training of operators. A focus will be on those problems that occur frequently in pharmaceutical production; possible solutions to these challenges will be discussed.

The course ranges from regulatory requirements and microbiological basics, sources of contamination, hygiene measures and monitoring to life cycle management of the overall strategy.

Background

In pharmaceutical manufacture, cleaning and disinfection and other hygienic measures are important and decisive process steps for fulfilling the quality requirements on the medicinal product. To carry them out properly, personnel needs to be both qualified and motivated.

All national and international pharmaceutical GMP regulations — especially those on sterile manufacturing — call for cleaning and hygiene programmes in the pharmaceutical companies.

The lack of control of microbiological (and other) contamination is an outstanding integral part of inspection findings.

Not all authorities regularly publish overviews or inspection results, but if one looks at the available data of the last 20 years from various inspection authorities, the following picture emerges:

Between 1995 and 2005, the potential risk of microbiological contamination was the No 2 critical GMP deficiency and the No 1 major GMP deficiency observed during inspections requested by the CHMP/CVMP of EMEA.

MHRA's review of the deficiencies 2011/2012 issued 57 deficiencies related to personnel as well as 75 contaminations by chemical/physical and microbial causes.

In 2018 and 2019, Annex 1 was the second most frequently mentioned annex of the GMP Guide when it came to deviations in MHRA inspections.

A permanent high number of FDA warning letters with microbiological deviations or issues in cleaning and contamination control:

Fiscal Year 2016 - 23 WL
Fiscal Year 2017 - 24 WL
Fiscal Year 2018 - 16 WL
Fiscal Year 2019 - 32 WL
Fiscal Year 2020 - 25 WL
Fiscal Year 2021 - 36 WL

This current situation clearly shows how important it is to deal with this issue in depth and also why an overall strategy for linking the various measures plays such an important role.

Target Audience

People who are involved in

- Microbial Monitoring
- Implementation of Hygiene Programmes
- Selection and Qualification of Disinfectants
- Handling of microbial Deviations
- Training of Operators for Monitoring

Moderator

Axel H. Schroeder, Concept Heidelberg

Programme

Module 1: Regulatory Requirements and Background

Basic Principles of Microbiology, Hygiene and Contamination Control

- Microorganisms
 - Microbial growth
 - Characteristics
 - Sources
- Basic hygienic actions
- Cleaning/disinfecting/sterilization
- Way of contamination

Regulatory Requirements

- General regulatory requirements and guidelines
- Prevention of contamination and cross contamination
- Requirements for validation
- ISO standards
- Quality Risk Management

Sources of Contamination and Preventive Measures

- Sources of contamination throughout the facility
- HVAC
- Water
- Raw materials and packaging components
- Personnel and clothing

Effective Training of Operators

- Regulatory requirements (EU-GMP, FDA Guidelines, experiences from inspections)
- Methods and tools
- Measurement and documentation of training success
- Practical approaches

Module 2: Monitoring and Control Strategies

Microbiological Monitoring

- Monitoring of non-sterile processes
- Aseptic manufacture:
 - developing a programme
 - interpreting data
 - regulatory requirements
- Monitoring methods, air, surface, people
- A complete programme for a sterile product

Cleanroom Garment - Requirements, Selection and Laundering

- Different fabrics and their characteristics like filtration capacity and wearing comfort
- Garment systems oriented by the cleanroom class
- Requirements on decontamination and laundering
- Outsourcing

Microbiological Control of Water Systems

- Water as raw material
- Contamination sources within the water system
- Technical aspects
- Control methods
- Microbiological testing of water

Trending of Environmental Monitoring Data

- How do you do it?
- What do the results really tell you?
- How should you react on the results?
- Criteria of selection of disinfectants
- Rotation of antimicrobial substances considering their chemical interaction
- Cleaning potential of disinfectants
- Users acceptance

Module 3: Cleaning/Disinfection – Measures, Pit Falls, Deviation Handling

Cleaning and Disinfection of Surfaces

- Criteria of selection of disinfectants
- Rotation of antimicrobial substances considering their chemical interaction
- Cleaning potential of disinfectants
- Users acceptance

Qualification of Disinfectants

- Guidance documents, standards and regulatory requirements
- Basis for qualification
- Case study for qualification of disinfectants
- Efficacy – how to control?

Hygiene of Personnel – Cleanroom Behaviour

- Contamination from personnel
- Classic employee deviance
- Gowning procedure
- Hand disinfection

Case Study: Managing Disinfection Programmes

- Hygiene programme
- Cleanroom concept
- Demands on environment, equipment and personnel
- Cleaning and disinfection concept



Parallel Workshops

During the second day, parallel workshops will be conducted in order to reinforce the content of the lectures and to discuss practical aspects in detail.

Workshops will be offered on the following topics:

1. Case Studies: Disinfections Issues

Practical examples of microbial deviations after cleaning and disinfection activities. Causes, faults and correcting actions.

2. Handling of OOS Results

Failure investigation, following corrective actions and preventive actions.

Validation of a Decontamination System for Production Equipment, Process Devices and Cleanrooms

- Technical requirements & background
- Qualification of a fogging system
- Validation of a fogging process

Module 4: Additional Challenges and Annex 1-compliant Overarching Strategies

Cleanroom Consumables - a so called „Cent-Product“, but with Consequences

- Definition of cleanroom consumable products
- The impact during the daily application
- How is that reflected in guidelines?

Quality Risk Management

- Risk assessment:
 - Risk identification
 - Risk analysis
 - Risk evaluation
- Risk management

Contamination Control Strategy - An interdisciplinary and Dynamic System

- Formulate a CCS
- Implement a CCS and develop a strategic plan to make the strategy work as intended by mapping/designing the organizational structure, procedures, control processes, distributing resources, developing the decision-making processes, etc.
- Evaluate the CCS efficiency to ensure process performance and product quality while improving the CCS level over time.

Speakers



Walid El Azab
STERIS Corporation, Belgium

Walid El Azab is a Technical Services Manager for the Life Sciences Division of STERIS Corporation. He currently provides technical support related to cleaning chemistries, disinfectants and sterility assurance products and their application and validation. Walid has held various positions including Project Manager, Inspection Readiness Manager, Quality and Regulatory Manager, and Qualified Person (QP).



Werner Hofstetter
Octapharma GmbH, Austria

After his studies of food- and biotechnology, he was engaged as head of laboratory of waste processing and as department manager at the pharmaceutical industry. Since 2002 he is working at the pharmaceutical production of Octapharma Pharmazeutika GmbH, Vienna and is, among other things, responsible for validation of disinfectants and the cleanroom monitoring. Since 2006 he is head of aseptic production at Octapharma.



Arjan Langen
Director Sterility Assurance, GE Healthcare, The Netherlands

Arjan Langen has over 20 years of experience within the field of pharmaceutical microbiology. He worked for several pharmaceutical and biotech companies (Nobilon, DSM, MSD) and had various local and global roles within QC, QA, manufacturing and auditing. Currently he is a Director Sterility Assurance at GE Healthcare, responsible for the global Sterility Assurance program. Besides he is a member of the ECA Annex 1 Task Force and of the Dutch Society of Pharmaceutical Microbiology. He is microbiologist by training, qualified IRCA/QCI auditor and Green Belt certified.



Carsten Moschner
CEO Dastex GmbH & Co. KG, Germany

Carsten Moschner studied engineering economics at the University for applied Sciences in Karlsruhe. Currently he is CEO of Dastex with a focus on research and development as well as optimising of textile cleanroom garment. Carsten is a member of several expert committees, e.g. deeply involved in the new VDI 2083 chapter about the suitability of cleanroom equipment.

Speakers



Dr Inga Marie Schlägl
Bayer - GP Grenzach Produktions GmbH,
Germany

Inga Marie studied Biology at the Universities Konstanz and Freiburg. After her degree, she worked at the clinical research Center in Freiburg until 2013. In 2014 she joined Bayer as GMP Compliance Manager. In her current position, she is leading the department for monitoring and media.



Axel H. Schroeder
Concept Heidelberg, Germany

Axel Schroeder got his degree in Biology at Ruprecht-Karls University Heidelberg. From 1994 to 2000 he was Territory Manager for Hygiene and Medical Devices at Henkel Ecolab GmbH. From 2000 to 2005 he was Key Account Manager for Industrial Hygiene and Contamination Control at Ecolab GmbH, Düsseldorf, and from 2003 to 2005 Member of the International Cleanroom-Team of Ecolab. Between 2005 and 2008 he was engaged at Basan GmbH as Key Account Manager for Pharmaceuticals and Biotechnology. Since 2008 he is operations director at Concept Heidelberg for microbiology and biotechnology.



Robert G. Schwarz
University of Applied Sciences, FH Campus
Vienna, Austria

Robert Schwarz studied biotechnology and quality management. He joined Baxter in 2001 as coordinator of environmental monitoring. From 2005 he was validation specialist responsible for equipment qualification, sterilisation validation and cleaning validation. Since 2010 he is university lecturer in the field of biotech at the University of Applied Sciences in Vienna.



Wolf-Dieter Wanner
Germany

Wolf-Dieter Wanner studied pharmacy at the University of Munich. He started working in a free pharmacy and later joined Henkel KGaA in Düsseldorf to establish a German decontamination business relating to the industry. At Ecolab Deutschland GmbH as a sales manager he integrated the German clean room business with Adams Healthcare and Shield Medicare into an international contamination control team focused upon pharmaceutical aseptic manufacturing. Since 2011 he works as a freelance consultant.

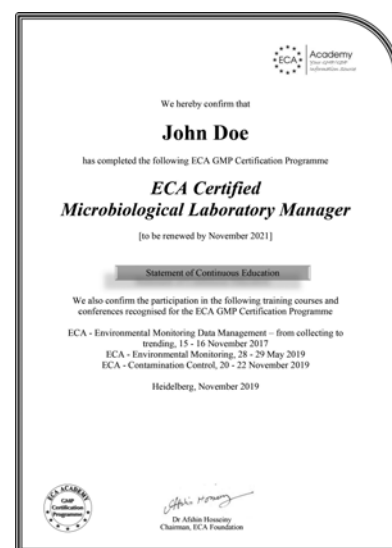
Social Event

In the evening of the first course day, you are cordially invited to a social event. This is an excellent opportunity to share your experiences with colleagues from other companies in a relaxed atmosphere.



GMP/GDP Certification Scheme

Building on your education the ECA GMP/GDP certification programmes provide you with the appropriate supplement to acquire this qualification. Simply choose any three courses within the programme according to your professional interest. Your certificate is then valid for two years. To renew it, you can pick any training from the ECA courses and conferences list within that two-years period – allowing you to broaden your knowledge in GMP and GDP compliance.



If the bill-to-address deviates from the specifications on the right, please fill out here:

Reservation Form (Please complete in full)
Contamination Control Strategies
26 - 28 September 2023, Barcelona, Spain

Title, first name, surname

Department

Company

Important: Please indicate your company's VAT ID Number

Purchase Order Number, if applicable

City

Country

Phone / Fax

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P.O. Box 101764
Fax +49 (0) 62 21/84 44 34

D-69007 Heidelberg
GERMANY

E-Mail (Please fill in)

General terms and conditions

If you cannot attend the conference you have two options:

1. We are happy to welcome a substitute colleague at any time.
2. If you have to cancel entirely we must charge the following processing fees:
 - Cancellation until 4 weeks prior to the conference 10 %
 - Cancellation until 3 weeks prior to the conference 25 %
 - Cancellation until 2 weeks prior to the conference 50 %
 - Cancellation within 2 weeks prior to the conference 100 %.

CONCEPT HEIDELBERG reserves the right to change the materials, instructors, or speakers without notice or to cancel an event. If the event must be cancelled, registrants will be notified as soon as possible and will receive a full refund of fees paid. CONCEPT HEIDELBERG will not be responsible for discount airfare penalties or other costs incurred due to a cancellation.
Terms of payment: Payable without deductions within 10 days after receipt of invoice.
Important: This is a binding registration and above fees are due in case of cancellation or non-appearance. If you cannot take part, you have to inform us in writing. The cancellation fee will then be calculated according to the point of time at which we receive your message.
In case you do not appear at the event without having informed us, you will have to pay the full registration fee, even if you have not made the payment yet. Only after we have received your payment, you are entitled to participate in the conference (receipt of payment will not be confirmed!) (As of January 2012). German law shall apply. Court of jurisdiction is Heidelberg.

Privacy Policy: By registering for this event, I accept the processing of my Personal Data. Concept Heidelberg will use my data for the processing of this order, for which I hereby declare to agree that my personal data is stored and processed. Concept Heidelberg will only send me information in relation with this order or similar ones. My personal data will not be disclosed to third parties (see also the privacy policy at http://www.gmp-compliance.org/eca_privacy.html). I note that I can ask for the modification, correction or deletion of my data at any time via the contact form on this website.

Date

Tuesday, 26 September 2023, 09.00 – 18.00 h
(Registration and coffee 08.30 – 09.00 h)
Wednesday 27 September 2023, 08.30 – 18.00 h
Thursday 28 September, 08.30- 13.30 h

Venue

Barcelo Sants Hotel
Pl. Paisos Catalans, s/n
08014 Barcelona, Spain
Phone +34 (0)93 503 53 00
Email sants@barcelo.com

Fees (per delegate, plus VAT)

ECA Members € 2,090
APIC Members € 2,190
Non-ECA Members € 2,290
EU GMP Inspectorates € 1,145
The conference fee is payable in advance after receipt of invoice and includes dinner on the first day, lunch on two days and all refreshments. VAT is reclaimable.

Accommodation

CONCEPT HEIDELBERG has reserved a limited number of rooms in the conference hotel. You will receive a room reservation form/POG when you have registered for the course. Reservation should be made directly with the hotel. Early reservation is recommended.

Registration

Via the attached reservation form, by e-mail or by fax message. Or you register online at www.gmp-compliance.org.

Presentations / Certificate

The presentations for this event will be available for you to download and print before and after the event. Please note that no printed materials will be handed out on site and that there will not be any opportunity to print the presentations on site. After the event, you will automatically receive your certificate of participation.

Conference language

The official conference language will be English.

Organisation and Contact

ECA has entrusted Concept Heidelberg with the organisation of this event.

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