

Microbial Contamination Sources/Preventive Measures/ Disinfection Management and Staff Hygiene Requirements

21 – 23 March 2012, Budapest, Hungary

SPEAKERS:

Werner Hofstetter

Octapharma, Austria

Arjan Langen

MSD, The Netherlands

decontam, Germany

Axel Schroeder

Concept Heidelberg, Germany

Baxter, Austria

qmp-experts, Germany

Markus Schad

Robert Schwarz

Hans Peter Volkland

PROGRAMME:

- Regulatory Requirements
- 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, Requirements, Laundering and Outsourcing
- Hygiene of Personnel and Training of Operators



Contamination Control

21 - 23 March 2012, Budapest, Hungary

Objectives

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-theart? 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.

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.

Background

The lack of control of microbiological contamination is an outstanding integral part of inspection findings.

Between 1995 – 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.

This actual state clearly demonstrates the importance to concern oneself with this topic in detail.

In pharmaceutical manufacture, cleaning and disinfection 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.

Target Group

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 Requirements and Background

Regulatory Requirements

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

Basic Principles of Hygiene and Microbiology

- Microorganisms
 - Microbial Growth
 - Characteristics
 - Sources
- Basic hygienic actions
- Cleaning/disinfecting/Sterilization
- Way of Contamination

Sources of Contamination and Preventive Measures

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

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

Trending of Environmental Monitoring Data

- How do you do it?
- What do the results really tell you?
- How should you react on the results?

Microbiological Control of Water Systems

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

Qualification of Disinfectants

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

Cleaning and Disinfection of Surfaces

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

Module 2: Implementation and Issues in Real Life

Case Study: Managing Disinfection Programmes

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

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. Reasons, faults and correcting actions.

2. Handling of OOS Results

Failure investigation, following corrective actions and preventive actions

Hygiene of personnel - Cleanroom Behaviour

- Contamination from Personnel
- Classic Employee Deviance
- Gowning procedure
- Hand disinfection

Disinfecting of Rooms, Isolators and Lyophilisators by Gassing and Fogging Systems

- Different gassing systems
- Technical requirements
- Qualification of a dry fog system
- Validation of a dry fog detergent

Quality Risk Management

- Risk Assessment:
 - Risk Identification
 - Risk Analysis
 - Risk Evaluation
- Risk Management

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

Effective Training of Operators

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

Speakers

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, MSD, The Netherlands

Arjan Langen was manager of Microbiological Quality Control and Quality Assurance officer at Intervet International in The Netherlands before he joined Nobilon International. At Nobilon he was appointed Quality Assurance Manager, responsible for the cGMP-approval of the new multi-purpose vaccine production facility in Boxmeer, The Netherlands. In 2008 Arjan became Director Compliance at DSM Pharmaceutical products and in 2009 he founded his own company for training and consulting in the field of pharmaceutical microbiology. In 2011 he became Pharmaceutical Specialist at MSD in The Netherlands, being responsible for sterile manufacturing of new products in Oss. He is a member of the PDA and a member of the Dutch Society of Pharmaceutical Microbiology.

Robert Schwarz, Baxter AG, Austria

After his apprenticeship as medical/technical analyst Robert Schwarz joined at IMCL / Labor Hernals, Vienna. From 2001 to 2005 he stays as coordinator of environmental monitoring at Baxter, Vienna. Since 2005 he is validation specialist for equipment qualification. He is responsible for the validation of the room disinfection systems.

Markus Schad, decontam GmbH, Germany

After working for several years in risk control in the bank sector, Markus Schad started in 2004 in laundry business at the Schlee GmbH (Germany) with focus on cleanroom services. Since 2006 he is managing director of decontam - specialised on full-service concepts for cleanroom garments and training.

Axel H. Schroeder, Concept Heidelberg

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 HenkelEcolab 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 operation director at Concept Heidelberg for microbiology and biotechnology.

Dr Hans-Peter Volkland, gmp-experts GmbH, Germany Dr Volkland studied Chemistry at the University of Constance and graduated in microbiology (ETH Zürich). He worked for several years in R&D and in various quality positions (QA, QC, Validation, Qualification). In 2001 he joined PCS (Pharmaceutical Consultancy Services) as Senior Consultant and Senior Auditor. In 2006 he set up his own consultancy company, Pharma and API Consulting (PAAC). In 2009 he founded GMP Experts which provides GMP consulting, auditing and training for the pharma and API business.

Social Event

On 21 March, 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.



Reservation Form: CONCEPT HEIDELBERG P.O. Box 10 17 64 69007 Heidelberg Germany







Date

Wednesday, 21 March 2012 10.00 h - 18.00 h (Registration and coffee 9.30 h - 10.00 h) Thursday, 22 March 2012, 08.30 h - 18.00 h Friday, 23 March 2012, 08.30 h - 13.30 h

Venue

Hilton Budapest WestEnd Váci út 1-3 1062 Budapest, Hungary Phone +36 1 288 5500 Fax +36 1 288 5588

Fees

ECA Members € 1,790.- per delegate plus VAT APIC Members € 1,890.- per delegate plus VAT (does not include ECA Membership)

Non-ECA Members € 1,990.- per delegate plus VAT EU GMP Inspectorates € 995.- per delegate plus VAT The conference fee is payable in advance after receipt of invoice and includes conference documentation, dinner on the first day, lunch on first and second day and all refreshments. VAT is reclaimable.

Accommodation

CONCEPT HEIDELBERG has reserved a limited number of rooms in the conference hotel. Please make your reservation via the Personalised Online Group Page http://www.budapest-westend.hilton.com/ECA2103 where you also can modify/ cancel your reservation until 7 February 2012 (room rate € 125,-per night, incl. breakfast, excl. VAT and city tax). Early reservation is recommended.

Conference language

The official conference language will be English.

General Terms of Business

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 2 weeks prior to the conference 10 % of the registration fee
- until I week prior to the conference 50 % of the registration
- within 1 week prior to the conference 100 % of the registration fee.

CONCEPT 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 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. You are not entitled to participate in the conference until we have received your payment (receipt of payment will not be confirmed)!

Organisation and Contact

CONCEPT HEIDELBERG P.O. Box 10 17 64 69007 Heidelberg, Germany Phone +49 (0) 62 21/84 44-0 Fax +49 (0) 62 21/84 44 34 E-mail: info@concept-heidelberg.de www.concept-heidelberg.de

For questions regarding content:

Axel H. Schroeder (Operations Director) at +49-62 21 / 84 44 10 or per e-mail at schroeder@concept-heidelberg.de.
For questions regarding reservation, hotel, organisation etc.:
Mr Ronny Strohwald (Organisation Manager)

Mr Ronny Strohwald (Organisation Manager) at +49-62 21/84 44 51 or per e-mail at strohwald@concept-heidelberg.de.

About CONCEPT HEIDELBERG

Founded in 1978, CONCEPT HEIDELBERG is the leading organiser of seminars on pharmaceutical production, quality control, quality assurance and GMP in Europe. This year more than 240 events will be organised by CONCEPT HEIDELBERG. ECA has entrusted CONCEPT HEIDELBERG with the organisation of its events.

GMP Certification Programme

This seminar is recognised within the GMP Certification Programme. By attending selected seminars, the participant can acquire an additional certificate. We offer the following certification modules:

- ECA Certified Validation Manager
- ECA Certified QA Manager
- ECA Certified API Production Manager
- ECA Certified Quality Control Manager
- ECA Certified Technical Operations Manager
- ECA Certified Computer Validation Manager
- ECA Certified Regulatory Affairs Manager
- ECA Certified Microbiological Laboratory Manager
- ECA Certified Sterile Production Manager
- ECA Certified Biotech Manager
- ECA Certified Pharmaceutical Development Manager

On the internet at www.gmp-certification.eu you will find a text explaining which seminars are recognised for which certificates. Or you send an e-mail to info@gmp-compliance.org or a fax to +49-6221-84 44 64 with the request for information about the GMP Certification Programme. We will then send you our brochure on the topic.

+ 49 6221 84 44 34						P.O. Number (if applicable)		Country		
Reservation Form (Please complete in full)	Contamination Control, 21 - 23 March 2012, Budapest, Hungary	□ Mr □ Ms		Title, first name, sumame	Company Department	Important: Please indicate your company's VAT ID Number	Street/P.O. Box	City Zip Code	Phone/Fax	E-Mail (please fill in)
If the bill-to-address deviates from the specifications on the right, please fill out here:							CONCEPT HEIDELBERG P.O. Box 101764 Fax +49 (0) 62 21/84 44 34	D-69007 Heidelberg GERMANY		

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