

A Survey of Microbiology for the Pharmaceutical, Biotechnology, and Medical Device Industries



Location: Your Computer Offering # 0906-709 Priority Code: 520

This course
presented by
CfPA in
conjunction with



and

PFQ

WHO SHOULD ATTEND

This course is intended for anyone in the medical manufacturing environment where product sterility or control of microbial contamination is essential. This includes Pharmaceutical, Biotech and Medical Device personnel in areas such as:

- Quality Assurance
- Production
- Validation
- Technical Support
- Maintenance
- Training
- Purchasing

LEARNING OBJECTIVES

Upon completion of this training, you will be able to:

- Describe where microbes (Bacteria, Fungi, Yeasts, etc) come from
- Explain how they proliferate and how they can be controlled
- List what are generally regarded as good and bad practices in regard to controlling product bioburden

COURSE DESCRIPTION

This 90-minute **accredited** online training will address the fundamental microbiological concepts that need to be understood by staff associated with the medical products manufacturing field. The concepts will be presented in terms that will be understood by non-microbiologists.

Discussions will include: personnel behavior practices, cleaning, sanitization, disinfection, and sterilization methods. In addition, the impact of raw materials (such as ingredients and packaging materials), equipment design, environment, manufacturing time frames, compressed gasses and water will be addressed.

Module 1: What is aseptic fill, and where are aseptic fill practices required?

Microbiology Basics such as:

- Growth requirements
- Sources of contamination
- Disinfection
- Sterilization

Module 2: Environmental controls:

- Personnel issues
- Production procedures
- Room layout in aseptic fill operations

Module 3: Monitoring of:

- Materials
- People
- Areas
- Equipment
- Production processes during aseptic fill

**Validation
Publications
Resources**

Question and Answer Session

For more information see reverse side ➡



CfPA

The Center for Professional Advancement
Accredited Technical Training Worldwide

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COURSE DIRECTOR

William Marshall; President, William G. Marshall and Associates

William G. Marshall has over twenty years experience in the Pharmaceutical and Medical Device Manufacturing Environment. Mr. Marshall has held Director level and Chief Operating Officer positions with large multinational corporations as well as start-up ventures. He has been the Director of a major reference laboratory and has been active in clean room design and validation. In the last five years he has acted as a third party in several consent decrees.

Mr. Marshall is currently a consultant to the worldwide drug and device industry as well as to the FDA. He lectures worldwide in GMP related issues including clean room technology and sterilization.

TUITION AND REGISTRATION

TUITION* - **Single Rate: U.S.\$295.00 per person** **Group Rate: U.S.\$245.00 per person****

Register at www.cfpa.com. Enter **Course Offering #0906-709** into **Quick Jump**. To register use **Priority Code: 520**.

For Questions and Information call Customer Service at 732-613-4500.

Please Note: Multiple participants are not authorized to share access provided to a single registrant, a single dedicated seat license must be purchased for each individual. CfPA reserves the right to cancel access or collect the group rate payment if this requirement has been violated. Only registered participants will receive accreditation.

ACCREDITATIONS



The **Center for Professional Advancement** has been approved as an Authorized Provider by the **International Association for Continuing Education and Training (IACET)**, 8405 Greensboro Drive, Suite 800, McLean, VA 22102. In obtaining this approval, **The Center for Professional Advancement** has demonstrated that it complies with the ANSI/IACET Standards which are widely recognized as standards of good practice internationally. As a result of their Authorized Provider membership status, **The Center for Professional Advancement** is authorized to offer IACET CEUs for its programs that qualify under the ANSI/IACET Standards.

WHO WE ARE

The Center for Professional Advancement (CfPA) is the largest accredited technical training organization in the world with a curriculum of approximately three hundred and fifty short courses in 18 industries including Pharmaceutical, Biotechnology, Medical Device, Chemical, Cosmetics, Food and more.

Since our founding in 1967, we have successfully trained nearly a half million people worldwide in topics ranging from basic and introductory concepts to new advances and cutting-edge technology, and current U.S. and European regulations. **CfPA** courses are offered in a variety of formats – Public offering, Client Site and Online – to fit you or your company's training needs.

ABOUT WILEY-BLACKWELL

Wiley-Blackwell was formed in February 2007 as a result of the acquisition of Blackwell Publishing Ltd. by John Wiley & Sons, Inc., and its merger with Wiley's Scientific, Technical, and Medical business. Together, the companies have created a global publishing business with deep strength in every major academic and professional field. Wiley-Blackwell publishes approximately 1,400 scholarly peer-reviewed journals and an extensive collection of books with global appeal. For more information on Wiley-Blackwell, please visit www.blackwellpublishing.com or <http://interscience.wiley.com>.

COURSES OF INTEREST

- **21 CFR Part 11: Strategies for Cost Effective Compliance Using a Risk-based Approach—An Online Course**
course ID# 2225
- **Applied cGMPs for Pharmaceutical and Allied Industries**
course ID# 610
- **Assuring Your Supply Chain through Supplier Qualification—An Online Course**
course ID# 2227
- **Microbiological Control and Validation**
course ID# 902
- **Pharmaceutical cGMP-Quality Systems—An Online Course**
course ID# 2245
- **Process Validation for the Pharmaceutical and Medical Device Industries**
course ID# 736

ABOUT ON-DEMAND:

Our pre-recorded on-line training courses are available for viewing at your convenience at your computer. Register for a CfPA on-demand course, your registration will be processed within two (2) business days, after payment and registration are complete you will receive an email from olinetraining@cfpa.com with your password to access the on-demand course. You will have two (2) business days to view the course. You **MUST** complete all polls and the course evaluation to receive your accreditation certificate for this course.

TERMS AND CONDITIONS

***Payment:** Tuition payable in US funds net of all charges. Payment is due at time of registration in the form of a credit card. Please contact CfPA's Customer Service for other payment options.

****Group Rate:** The Group Rate is for two or more enrollments, up to five registering from the same company at the same time. For groups of six or more, please contact Customer Service for group pricing.

Cancellations/No Show: "Live" - Registrants may cancel up to two working days prior to the course start date and will receive a letter of credit to be used towards a future course up to one year from date of issuance. No credit will be issued for no-shows and/or cancellations less than two working days prior to the course. : **"On-Demand"** - No refund or credit will be issued for no-shows and/or cancellations of on-demand training courses. CfPA is not responsible for any outside related costs incurred by registrant's cancellation.

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