



CfPA

The Center for Professional Advancement

Accredited Technical Training Worldwide

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ON-DEMAND Online Training Course

Endotoxin Testing: Resolving Interference and Test Validation

Location: Your Computer

Offering # 0802-703

Priority Code: 520

WHO SHOULD ATTEND

This online training will benefit professionals in the pharmaceutical, biotechnology, medical devices industries; sterile pharmaceutical compounding; and cellular and tissue therapy.

This course is applicable to microbiologists, chemists, and managers, supervisors and technicians concerned with endotoxin testing in Quality Control departments as well as those in Quality Assurance, Regulatory Affairs, Research and Development.

LEARNING OBJECTIVES

Upon completion of this online training course, participants will be able to:

- Describe the common causes for interference in endotoxin tests
- Develop endotoxin test methods that avoid interference
- Validate the bacterial endotoxins test by performing the Pharmacopeial Test for Interfering Factors

COURSE DESCRIPTION

Common causes of interference with the bacterial endotoxins test are presented in this course and specific methods to eliminate them are given. Strategies for detecting interference; validation of special treatments to overcome interference and validation of the test for endotoxins by performing the Pharmacopeial Test for Interfering Factors are all addressed. Inclusion of these elements in a LAL testing program will result in compliant testing.

This 90-minute course will benefit both the experienced manager who has been supervising endotoxin testing and the novice technician who wishes to understand and overcome interference with the test.

Module 1: Causes of Interference with the *Limulus* Amebocyte Lysate (LAL) Test for Endotoxin

- Introduction
- Common causes for interference and their elimination
 - pH; Salts; Chelating Agents; Proteins (including blood serum and plasma); Agents that Denature Proteins; Agents that Affect Endotoxin; Lipids and Liposomes

Module 2: Overcoming Interference in Endotoxin Testing

- Testing for Interference
- Strategies to Overcome Inhibition
 - Dilution; Use of Buffer; Sample Treatments including: use of other test methods, chemical modification and ultrafiltration

Module 3: Validation of Sample Treatments and the Pharmacopeial Test for Interfering Factors for Validation of the Endotoxins Test

- The Test for Interfering Factors
 - Gel-clot Method
 - Photometric Methods
- Conclusion

COURSE DIRECTOR

Dr. Michael E. Dawson, Ph.D., RAC, Director of Regulatory Affairs, Associates of Cape Cod, Inc.

ACCREDITATIONS



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.



The Center for Professional Advancement (CfPA) is accredited by the Accreditation Council for Pharmacy Education as a provider of continuing pharmacy education. Continuing Education Units (CEU) will be awarded only upon successful completion of the course, i.e., attendance at essentially all the formal sessions and submission of a course evaluation. The CEU rate is 0.1 CEU per contact hour; statement of credit will be mailed within six weeks. You will have an opportunity to evaluate your successful completion of these course objectives through interactive question and answer sessions. This offering is Program# 716-000-08-558-L04. If interested in ACPE credits, notify CfPA immediately upon completion of this course.

REGISTRATION

TUITION* - Single Rate: U.S. \$99.00 per person Group Rate: U.S. \$99.00 per person**

Register at www.cfpa.com. Enter Course Offering #0802-703 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.

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.