



CfPA

The Center for Professional Advancement

Accredited Technical Training Worldwide

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ON-DEMAND Online Training Course

Guidelines to In Vitro Skin Absorption Studies

Location: Your Computer

Offering # 0803-702

Priority Code: 520

WHO SHOULD ATTEND

Skin absorption studies are part of various international regulatory requirements for safety assessment of exposure to chemicals. For topically applied formulations, when the skin is the target of action, assessment of penetration can allow for better product design. In vitro skin absorption studies were shown as a reliable way to evaluate penetration of compounds into and through the skin.

The course will be beneficial to professionals in the pharmaceutical and cosmetic industries, especially those who are involved in the following areas:

- Skin research and development
- Toxicology and regulatory affairs
- Formulation chemistry
- Technical sales and marketing

LEARNING OBJECTIVES

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

- Review regulatory requirement for in vitro skin absorption testing
- List the different stages in study design
- Explain the general procedure and its rationale
- Discuss the options of study variations

COURSE DESCRIPTION

This 90-minute course will explain the importance of evaluating skin absorption of compounds from topically applied formulations for safety assessment and mechanistic studies prior to conducting clinical studies.

Module 1:

- Rationale for assessment of skin penetration
- Regulatory parties involved:
 - OECD
 - CTFA
 - WHO
- Description of general procedure

Module 2:

- Preliminary required physical chemical properties
- Types of diffusion cells
- Finite and infinite dosing
- Importance of vehicle applied
- Fick's first law for simple diffusion

Module 3:

- Skin preparation:
 - Choice of skin
 - Species differences
 - Preparation of tissue samples:
 - Full thickness skin
 - Epidermal skin
 - Stratum corneum
- Testing skin barrier integrity
- Application of test compound
- Receptor fluid
- Evaluation of results
- Summary

COURSE DIRECTOR

Nava Dayan, Ph.D., Skin Care Research Expert

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.



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# 716-000-08-557-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 #0803-702** 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.