

Ettan™ 2-D DIGE Training Course

European Training Center Munich

Introduction

Since its introduction to market Ettan™ DIGE system has developed as the new benchmark for protein abundance analysis. Many of the world's leading pharmaceutical and academic centers-of-excellence have switched to Ettan™ DIGE system because of the unrivaled accuracy it provides. The reasons for this shift are quite simple: Ettan™ DIGE system brings unique levels of statistical confidence and reliability to 2-D electrophoresis results. It allows real multiplexing with each protein spot having its own internal standard, which provides unparalleled accuracy and ensures that the differences you see in protein abundance are real.

DeCyder™ 2-D software is a proprietary 2-D electrophoresis analysis platform, specific to DIGE technology. The software significantly increases throughput by accurately addressing measurement of protein differences with statistical confidence and reducing hands-on analysis time from days to minutes, with minimal user-to-user variation.

Appropriate experimental design and statistical analysis is central to the 2-D DIGE technology and ensures the best possible results. The reproducibility of the dye technology, coupled with software accuracy, user independence, and application of statistical tests, allows the measurement of very little protein expression differences with a high degree of confidence, which can be related to biological differences rather than system variation.

Who should attend?

The Ettan™ 2-D DIGE Training Course is mainly designed for researchers who start with Ettan™ DIGE system and want to get familiar with set up, performance of successful experiments and analysis of results. The course contains theoretical parts and real hands-on experiments and will enable participants to perform successful 2-D electrophoresis experiments in their laboratories.

Learning Objectives

During the course you will learn to:

- Understand the theory behind the 2-D DIGE system
- How to practically perform
 - a) Sample labeling
 - b) 2-D electrophoresis
 - c) Image acquisition
- Understand the DeCyder 2-D software basics

Ettan™ DIGE
The differences you see are real.



Course Content

Day 1	Day 2	Day 3
(1:00 pm – 5:30 pm)	(9:00 am – 5:00 pm)	(9:00 am – 1:00 pm)
<ul style="list-style-type: none"> • Theoretical introduction into Ettan™ 2-D DIGE workflow • Labeling of your own samples • Hands-on exercise on gel casting, labeling, handling and running of first dimension 	<ul style="list-style-type: none"> • Start of the second dimension run • Sample preparation • Experimental Design • Applications of the Ettan™ 2-D DIGE concept • Hands-on practice of 2-D gel electrophoresis, image acquisition of course gels 	<ul style="list-style-type: none"> • Image acquisition continued • Introduction to DeCyder™ 2-D software • Closing session

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Based in Munich and equipped with modern laboratories for Protein Separations and Proteomics, GE Healthcare provides training courses for the best outcome and optimal use of your GE Healthcare Life Sciences equipment. Further course offerings include our FastTrak™ program for Process chromatography/filtration and ÄKTA™ and UNICORN™ courses. We also offer customized courses and/or on-site trainings on request.

Contact Details	Course Calendar 2008										
GE Healthcare Europe GmbH European Training Center Oskar-Schlemmer-Strasse 11 80807 München, Germany T +49 89 96 281 631 F +49 89 96 281 640 E PSCourses.Europe@GE.com	<table border="0"> <tr> <td>February</td> <td>19 – 21</td> </tr> <tr> <td>May</td> <td>27 – 29</td> </tr> <tr> <td>July</td> <td>22 – 24</td> </tr> <tr> <td>September</td> <td>09 – 11</td> </tr> <tr> <td>November</td> <td>25 – 27</td> </tr> </table> <p>Course Fee € 940,00 plus German VAT Including course fee, lunch and one dinner Excluding travel and accommodation costs Order No. 94-0115-85</p>	February	19 – 21	May	27 – 29	July	22 – 24	September	09 – 11	November	25 – 27
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To register please use the registration form.

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