

Who should participate?

- Laboratory chemists engaged in daily routine work involving speciation analysis
- Laboratory managers who wish to become familiar with state-of-the-art techniques in speciation analysis for foodstuffs

Course objectives

The course combines lectures, which give a broad as well as a specific introduction to selenium speciation, with hands-on practice in the laboratory using HPLC hyphenated with inorganic and organic mass spectrometry. The course explains the biological and biochemical background to selenium speciation and will be conducted in an interactive manner between the lecturers and the participants.

Participation fees

Participation fees (Euro 1140,-) include lunches, seminar drinks, course notes and a confirmation of participation.

Registration

Please use the registration card of this flyer or register in writing to the address given below, stating:

- date and title of training workshop
- your name, first name, title
- your affiliation and contact details

Your registration should have reached us October 17th 2005 at the latest. However, since the number of participants is very limited early registration is recommended. Your registration will become binding by the written confirmation of the workshop organiser. For further inquiries and registration at short notice please call: ++49 (0251) 83 366 59 or email or fax to the contact given below.

Conditions of cancellation

When written cancellation of participation is received more than 21 days prior to the workshop date, refund of the course is subject to a handling fee of Euro 75,-. For later cancellations no refund is possible. Substitutes can be nominated at any time for a registered person.

Payments

Are to be made after receipt of the invoice.

Changes

Course program may be subject to changes for technical or organisational reasons. The organisers reserve the right to shift or cancel the Training Course in case of insufficient participation.

Accommodation

A list of hotels will be enclosed to your confirmation of registration by which you can book a hotel. Information is also available on the web site for this course.



EVISA

Training course

Other EVISA Training Courses:

- 12.-13.09.2005 Arsenic Speciation in Foodstuffs and Water in Relation to Legislative Requirements
- 12.-15.09.2005 Speciation analysis applied to environmental issues
- 21.10.2005 Organic Mass Spectrometry in Speciation Analysis
- 14.-15.11.2005 Selenium Speciation in Foods and Food Supplements
- 24.-25.11.2005 Speciation Analysis and Food Security
- 05.-08.12.2005 Speciation analysis applied to industrial issues
- 23.-24.02.2006 Accuracy and Quality Assurance in Speciation Analysis by IDMS

For a complete seminar program please visit www.speciation.net, your up-to-date information source for speciation analysis!

Selenium speciation in foods and food supplements

November, 14 -15, 2005
Søborg, Denmark



evisa.

European Virtual Institute for Speciation Analysis

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Internet: www.speciation.net

Co-organised by :
EVISA
Danish Institute for Food and Veterinary Research



I register

Complete this form and register by fax:
++49 251 83 - 360 13
or by mail, using a window envelope.

- November, 14-15, 2005 in Søborg, Denmark.
- The registration fee is Euro 1140,- (no tax applicable) I acknowledge the conditions for participation.

herewith to the Training Course „Selenium speciation in foods and food supplements“.

Title:

First Name:

Family Name:

Company:

Department:

Street:

Area Code:

Fon:

Fax:

Date, Signature:

European Virtual Institute for Speciation Analysis (EVISA)
University of Muenster
Attn. Dr. Wolfgang Buscher
Corrensstrasse 30

D-48149 Münster, Germany

Course Program

Selenium speciation in foods
and food supplements

Course Program

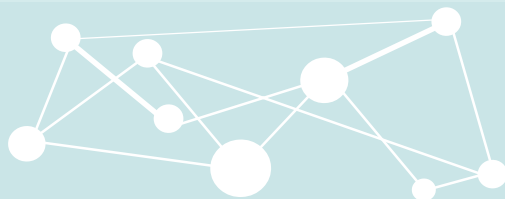
1st day
November, 14, 2005
9.00-17.00 hrs

- Welcome, presentation and introduction to the course
- Why carry out selenium speciation analyses in the food area? (lecture)
- Extraction methods, including species stability (redox and enzymatic conversions) (lecture)
- Lunch break
- Laboratory practice I.
Sample pre-treatment and extraction using selenium enriched garlic as test sample

2nd day
November, 15, 2005
9.00-17.00 hrs

- A comprehensive introduction to selenium speciation by HPLC-ICP-DRC-MS (lecture)
- Qualitative and quantitative analysis, calibration, precision, accuracy (lecture)
- Lunch break
- Laboratory practice II.
Analysis of garlic samples by cation exchange HPLC-ICP-MS and by ESI-MS/MS

Summary and final discussions



Course instructors and their field of expertise:

Professor Dr. Erik H. Larsen
DFVF
speciation analysis specialist

Senior scientist Dr. Jens J. Sloth
DFVF
speciation analysis specialist

Comprehensive course notes are included in the workshop fees.

Course Venue

Danish Institute for Food and Veterinary Research,
19, Mørkhøj Bygade,
DK-2860 Søborg, Denmark

Contact and further information

EVISA office, University of Muenster
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