

FIRST WEEK PROGRAMME

Monday 8 October 2007

09:00 - 10:30	Opening Ceremony – Visit of the laboratory (to be confirmed)
10:30 - 12:30	Residues, contaminants and target biological matrices (Part I) Dr Dirk Courtheyn, Pf. Bruno Le Bizec
12:30 - 13:45	Lunch Break
14:00 - 15:00	Residues, contaminants and target biological matrices (Part II) Dr Dirk Courtheyn, Pf. Bruno Le Bizec
15:00 - 16:30	General aspects of the EU food legislation Pf François André
16:45 - 18:00	Determination of maximum values for veterinary drugs and contaminants Dr. Pascal Sanders, Pf. François André

Tuesday 9 October 2007

08:30 - 12:30	Sample preparation (freeze –drying & hydrolysis) Dr Gaud Pinel
	Sample extraction. Sample purification : SPE, HPLC, IAC Dr. Michael O’Keeffe
	Sample purification (MIP) Dr Gaud Pinel
	Evolution in the analysis of pesticides Dirk Courtheyn
	Sample analysis “decision tree” Dr. Michael O’Keeffe
12:30 - 13:45	Lunch Break
14:00 - 18:00	β-agonist analysis in urine : MIP, Screen Dau/96-well SPE, GC-MS/MS + LC-MS/MS Dr. Gaud Pinel, Dr. Frédérique Courant, Emmanuelle Bichon, Fabrice Monteau, Dirk Courtheyn & Michael O’Keeffe

SOCIAL EVENT

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	Hands-on	Theoretical course
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Wednesday 10 October 2007

08:30 - 09:45	Immunoassay screening theory and application for the measurement of contaminants in food Pf. Chris Elliot
10:00 - 12:30	Gp 1: detailed lecture
	Gp 2: practical demonstration on the BIACORE
12:30 - 13:45	Lunch Break
14:00 - 16:30	Gp 2: detailed lecture
	Gp 1: practical demonstration on the BIACORE
17:00 - 18:00	Final lecture Pf. Chris Elliot

Thursday 11 October 2007

08:30 - 12:30	Mass spectrometry Pf. Bruno Le Bizec
12:30 - 13:45	Lunch Break
14:00 - 18:00	Mass spectrometry : β-agonistic compounds; structural elucidation Dr. Gaud Pinel & Dr. Frédérique Courant 2 h
	Mass spectrometry : GC-MS(MS), practical aspects Fabrice Monteau 1 h
	Mass spectrometry : LC-MS/MS Practical aspects Dr. Jean-Philippe Antignac 1 h

Friday 12 October 2007

08:30 - 10:00	Residue control. Gas chromatography coupled to mass spectrometry Dr. Armstrong Hewitt
10:15 - 12:30	Compared approaches of GC vs LC/MS. Advantages & disadvantages Dr. Gaud Pinel, Emmanuelle bichon, Dr. J.P. Antignac
12:30 - 13:45	Lunch Break
14:00 - 18:00	LC-MS/MS for corticosteroids analysis Dr Jean-Philippe Antignac
	LC-MS/MS for perfluorinated compounds (PFOS, PFOA) Fabrice Monteau, Bruno Veyrand
	LC-HRMS for boldenone Dr. Gaud Pinel, Dr. Frédérique Courant
	GC-MS/MS for pesticides Emmanuelle Bichon

SECOND WEEK PROGRAMME

Monday 15 October 2007

08:30 - 11:30	Analytical Criteria of the 2002/657/EC decision Pf. Hubert De Brabander & Dr. Herlinde Noppe
11:30 - 12:30	Hot Topic 1 – Mass spectrometry technologies
12:30 - 13:45	Lunch Break
14:00 - 18:00	Analytical Criteria: applications (computer room) Pf. Hubert De Brabander & Dr. Herlinde Noppe

Tuesday 16 October 2007

08:30 - 11:30	Residue analysis in biological fluids by LC-MS/MS Dr. Gaud Pinel, Dr. Jean-Philippe Antignac, Emmanuelle Bichon, Dr. Frédérique Courant
11:30 - 12:30	Hot Topic 2 – Mass spectrometry technologies
12:30 - 13:45	Lunch Break
14:00 - 16:00	Metabolism of Anabolic/Androgenic Steroids in cattle Pf. Edward Houghton
16:00 - 18:00	Analysis of spectrometric data using multivariate statistical techniques Dr. Jean-Philippe Antignac
	Automation of Laboratory procedures. Pf Edward Houghton

SOCIAL EVENT

Wednesday 17 October 2007

08:30 - 11:30	Residue analysis in biological fluids by GC-MS and GC-MS/MS. Comparison of MIP, SPE columns and 96-well plates Fabrice Monteau, Emmanuelle Bichon & Frédérique Courant
	Steroid metabolism : Introduction, examples of application Pf. Edward Houghton & Pf. Bruno Le Bizec
11:30 - 12:30	Hot Topic 3 – Mass spectrometry technologies
12:30 - 13:45	Lunch Break
14:00 - 15:00	Hyphenated techniques for the measurement of POPs in food. Gauthier Eppe
15:00 - 18:00	Isotopic dilution & quantification of dioxins in food Gauthier Eppe 1h30
	GC-HRMS High resolution measurement applied to dioxins in food Philippe Marchand 45 min
	Comparison HRMS vs Bioassay applied to POPs in food. Dr Ronan Cariou

Thursday 18 October 2007

08:30 – 09:00	Validation of analytical method according to 2002/657/EC decision. Pf. Glenn Kennedy
12:30 - 13:45	Lunch Break
14:00 - 18:00	Validation: applications (computer room) Pf. Glenn Kennedy

Friday 19 October 2007

08:30 – 09:00	Evaluation of the trainees (quiz)
09:00 – 10:30	Residues and contaminants: quality management in laboratories Frédéric Poulain
10:45 – 12:15	FVO requirements for Third Countries
12:15 – 12:30	Evaluation of the training session (questionnaire)
12:30 – 13:00	Closing session : debriefing, conclusion & acknowledgement SARAF Team
13:00 - 15:00	Final lunch