

Animal Welfare Course A

Training course for registered persons performing animal experiments and for study directors

Fish Tests acc. to the 3Rs and Alternative Methods, Legal Aspects and Licence Application

Thursday, October 21, 2021

Course Focus:

Fish in Experimental Studies:

- Legal Aspects and Licence Application, Swiss Animal Welfare Law & -Regulation.
- Statistics on Fish Use.

Fish and the 3Rs:

- **Stress Reactions, Pain and Signs of Suffering:** Various Stress Reactions, Assessment of Severity Degrees of Suffering and of Moribundity based on Videos with Carp, Trout and Medaka
- **Reduce/Refine Strategies:** Examples of Scoring Sheets.
- **Replace Alternatives:** Fish-Embryo Test FET, *in vitro* Fish-Cell Test
- **Justification of Animal Tests:** Ethical Argumentation, Harm-Benefit Analysis, Practical Example

Duration, Purpose and Language of Course:

The course will take place as Video-course from 0800 to 1700h using Zoom. It will be regarded as a one-day further education course by the Swiss authorities or as part of the basic course for persons performing experiments with fish in the context of MODUL 20 ECOTOX corresponding to FELASA-B (MODUL 20 ECOTOX as basic course consists of a total of six courses A, B1, B2, B3, D2 and P: theoretical and practical education of at least 40 hours). The course is adapted to registered persons performing animal experiments as well as for study directors. The course language is English or German depending on the audience.

Organisational Information:

Lead & Instructor: Dr. Hans Rufli, **ecotoxsolutions**, Basel

Registration: rufli@ecotoxsolutions.com

Costs: Fr.700.- including pdf-files of the presentations sent ca. 1 week prior to the course.

Your Video Equipment: "Zoom" should be installed on your Laptop/PC (<https://zoom.us/download> = English). Microphone and camera should be available as well. At 12h on the days of the course, an invitation link will be sent to your desired email-address previously announced to me. By clicking this link, you will be in the meeting.

Certificate: A written certificate will be handed out as soon as I get your feedback on the course. This certificate will have to be shown to the Swiss authorities on request.

Programme Animal Welfare Course A

Time	Topics	Speaker
	<i>Morning</i>	
0800-0900	Fish in Experimental Studies: Legislation and Licence Application	H. Rufli
0900-0930	Fish and the 3Rs: Part 1: Fish in Experimental Studies in Switzerland	H. Rufli
0930-1200	Part 2: Stress Reaction, Pain and Suffering with Videos Assessment of Severity Degrees of Suffering and of Moribundity based on Videos with Carp, Trout and Medaka	H. Rufli
	<i>on</i>	
1300-1430	Fish and the 3Rs: Part 3: Reduce/Refine Strategies Score Suffering of Fish (Videos)	H. Rufli
1430-1600	Part 4: Replace Alternatives: Fish-Embryo Test FET, <i>in vitro</i> Fish-Cell Test	H. Rufli
1600-1630	Justification of Animal Tests: Ethical Argumentation, Harm-Benefit Analysis, Practical Example	H. Rufli
1630-1700	Course Evaluation and Final Review	H. Rufli