

Veterinary Advanced course (3 days)

DAY 1:

9-13.30h

- Microptic presentation
- Biological overview of fertilization and critical points of the process
- The role of SCA in the semen assessment
- Minimum requirements for working with SCA (devices, versions and complementary modules)
- Presentation of each module and specific kits
- Configuration of doses calculation
- Macroscopic information: Introduction to the Sample manager

13.30-15h

LUNCH

15-17h

- Starting with the Basic semen assessment with the SCA: motility, concentration and vitality analyses. *In vivo analysis of a boar sperm sample.*
- Principles of Sperm Hyperactivation
- Doses calculation

DAY 2:

9-13.30h

- Morphology análisis (In vivo analysis of a boar sperm sample):
 - Simple Sperm washing with PBS
 - o How to perform a good smear
 - o Automatic sperm analysis with the SCA
 - Customisation of the best analysis settings for your animal

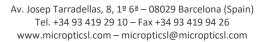
13.30-15h

LUNCH

15-17h

- Principles of functional tests:
 - DNA fragmentation (brief explanation of the different techniques for assessing fragmentation (pros and cons), presentation of the Gold-Cyto DNA kit and new CanSept kit)
 - Acrosome reaction (Explanation of FluoAcro principles)
- Check microscope settings (phase ring alignment, centring condenser and calibration)

DAY 3:





- Internal Quality controls with the SCA
- Animal specifications for sample analysis
- Starting from 0:
 - o Analysis of sample preparations
 - o Questions and doubts