



**Online Training at EURL-VTEC on the detection of STEC
in food matrices according to the ISO TS 13136:2012
and the characterization of the isolated STEC strains**

For any additional information regarding the stage, please send an email to training.eurlvtec@iss.it

Day 1 Morning session (10:00-12:30)

- Introduction to the online training, roll call of trainees.
- Illustration of the work-plan and the protocols that will be used during the stage.
- Discussion and streaming video on the practical aspects, tips and tricks by the EURL tutors
- Question time
- The trainees will be appointed of laboratory tasks to be carried out autonomously (enrichment of the food samples received, DNA extraction, Real Time PCR set up). The results will be discussed the next day.
- End of day one.

Day 2 Afternoon session (14:30-16:30)

- Presentation of the results of the tasks carried out by the trainees, discussion of the problems encountered and problem solving with the EURL-VTEC tutors
- Open discussion.
- Streaming video on the practical aspects, tips and tricks by the EURL tutors
- Assignment of tasks (Isolation of STEC from Real Time PCR-positive food enrichment cultures: streaking the plates from the positive enrichment cultures and testing the colonies either in pools or single colonies).
- End of day two.

Day 3 Afternoon session (14:30-16:30)

- Presentation of the results of the tasks carried out by the trainees, discussion of the problems encountered and problem solving with the EURL-VTEC tutors
- Open discussion. Assignment of tasks (Molecular serogrouping by conventional PCR Identification of *stx* subtypes by conventional PCR).
- End of day three.

Day 4 No connection with the EURL. Dedicated to the completion of the assignments

Day 5 – Afternoon session (14:00-16:00)

- Presentation of the results of the tasks carried out by the trainees, discussion of the problems encountered and problem solving with the EURL-VTEC tutors
- General discussion on the activities carried out.
- Trainee satisfaction survey
- End of day five.