



**Online Training at EURL-VTEC on the identification and characterization
of the different groups of pathogenic *E. coli*
by Real Time PCR amplification of their virulence genes**

This event is part of the scientific and tutorial activities of the EURL-VTEC, funded by the European Commission – DG SANTE

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

Day 1 - (14:30-16:30)

- Introduction to the online training, roll call of trainees, presentation of the procedures in place at the EURL and aim of the training.
- Illustration of the work-plan and the protocols that will be used during the stage.

Day 2 - (14:00-16:00)

- Preparation of the cultures of test and control strains. Preparation of DNA samples for Real Time PCR from test and control strains and setting up the Real Time PCR reactions for the identification of the different *E. coli* pathogroups (EU-RL VTEC_Method_002_Rev 0, EU-RL VTEC_Method_005_Rev 1, EU-RL VTEC_Method_007_Rev 0, EU-RL VTEC_Method_008_Rev 0). Streaming video on practical aspects, tips and tricks by the EURL tutors
- Definition of the tasks to be carried out by the trainees and of the results to be discussed on the following day
- Question time.
- End of day two.

Day 3 - (14:00-16:30)

- 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
- Question time

- Presentation of DNA template preparation and setting up of the reactions for the identification of *stx* gene subtypes by conventional PCR (EU-RL VTEC_Method_006_Rev 1). Streaming video on practical aspects, tips and tricks by the EURL tutors
 - Definition of the tasks to be carried out by the trainees and of the results to be discussed on the following day
 - Question time.
 - End of day three.

Day 5 - (13:30-16:00)

- 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
- Question time and general discussion.
- Questionnaire on the trainee satisfaction survey
- End of the training stage.