



EU Reference Laboratory for *E. coli*
Department of Veterinary Public Health and Food Safety
Unit of Foodborne Zoonoses
Istituto Superiore di Sanità



**10th Annual Workshop of the
National Reference Laboratories for *E. coli*
in the EU
5-6 November, 2015**

**Aula “G.B. Rossi”
Istituto Superiore di Sanità
Via Giano della Bella, 34 – 00161 Rome, Italy**



Funded by the European Commission – DG SANTE

Thursday 5 November

13.15 Welcome brunch and registration

14.15 Introduction and housekeeping

Alfredo Caprioli, Susan Babsa, Clarissa Ferreri

14.30 Session 1. Update of surveillance and monitoring activities on VTEC in the EU, and the development of a database on molecular typing of foodborne pathogens

Update on the annual reporting of VTEC in the EU and on EFSA activities for molecular typing data collection for food and animal isolates

**Giusi Amore,
EFSA**

Implementation of the ECDC-FWD molecular surveillance and results of the “Expert Group on the introduction of next generation typing methods for Food- and Waterborne Diseases (FWD NEXT)

**Saara Kotila,
ECDC**

Update on the VTEC Network preparedness for molecular typing data collection

**Antonella Maugliani,
EU-RL VTEC**

15.45 Session 2. *E. coli* Genomics: possible applications to public health microbiology

ARIES: A bioinformatics framework for genomic analysis of *E. coli*

**Stefano Morabito,
EU-RL VTEC**

Molecular typing of VTEC: from PFGE to NGS-based phylogeny

**Valeria Michelacci,
EU-RL VTEC**

Surveillance and outbreak investigation of Shiga toxin-producing *Escherichia coli* using whole genome sequencing-time for a change!

**Marie Anne Chattaway,
NRL UK**

16.30 Discussion

17.00 Closure of the first day

Friday 6 November

09.00 Invited talk

Report on the 9th International Symposium on Shiga Toxin producing *E. coli* infections (VTEC 2015): main breakthroughs and the way forward
Flemming Scheutz, International Escherichia Centre (WHO)

09.30 Session 3. Laboratory methods and proficiency testing (PT)

Results of the 14th and 15th inter-laboratory studies (PT14 and PT15) on the detection of VTEC in sprouts
Rosangela Tozzoli, EU-RL VTEC

09.50 The problem of low isolation rates from PCR-positive food samples

Acid treatment for improved recovery of STEC from enrichment broths
Gro S. Johannessen, NRL Norway

10.20 Coffee break

10.50 Session 3. Laboratory methods and proficiency testing (continued)

Open discussion and proposals to improve VTEC isolation rate from food samples

Revision of the ISO/TS 13136:2012 method

Stefano Morabito, EU-RL VTEC

11.20 Invited talk

Management of the risk posed by VTEC in food: the draft guidelines on the application of article 14 of Regulation (EC) 178/2002 as regards food where VTEC has been detected
Pamina-Mika Suzuki, DG SANTE

11.45 Session 4. Presentations from the NRLs and other participants

The IDESTEC project: thorough identification of STEC in Belgium
Sarah Denayer, NRL Belgium

Survey for STEC on beef, leafy vegetables and unpasteurized milk In Sweden
Catarina Flink, NRL Sweden

Survey of potentially zoonotic *E. coli* of serotype O26, O103, O111, and O157 in Norwegian cows
Gro Johannessen & Camilla Seske, NRL Norway

Microbiological profiling of biosolids used as top soil improvers
Federica Gigliucci, NRL Italy

A case of HUS by VTEC O26 traced back to a sheep herd in a didactic farm
Alfredo Caprioli, NRL Italy & Gabriella Conedera, IZS Venezia

13.00 Lunch

14.15 Invited talk

From O157 to O26: the evolving epidemiology of VTEC infections
Gaia Scavia, EU-RL VTEC

15.00 Network activities, general discussion, and closing remarks

16.00 Closure

Invited Speakers

Giusi Amore

European Food Safety Authority (EFSA)
Unit on Biological Hazards and Contaminants
Risk Assessment and Scientific Assistance Department
Parma, Italy

Gro S. Johannessen

NRL Norway
Norwegian Veterinary Institute
Oslo, Norway

Saara Kotila

European Centre for Disease Prevention and Control (ECDC)
FWD Molecular Surveillance
Stockholm, Sweden

Gaia Scavia

EU-RL VTEC
Istituto Superiore di Sanità
Rome, Italy

Flemming Scheutz

The International Escherichia and Klebsiella Centre (WHO)
Statens Seruminstitut
Copenhagen, Denmark

Pamina-Mika Suzuki

European Commission
DG SANCO
Unit G4: food, alert system and training
Brussels, Belgium