



**EURL for
Listeria monocytogenes
Detection & enumeration,
characterization &
epidemiology**

Work program for 2016

Lm Detection and Enumeration (1)

- **Training** : Colony-count technique according to EN ISO 7218
Practical training session at EURL (autumn 2016)
- **PT Trial** : *Lm* detection
Matrix : ready-to-eat iceberg salad
autumn 2016
- **Measurement uncertainty** -influence of the size of test portion:
Data analysis and reporting
- **Impact of new *Listeria* species on *Lm* detection/enumeration** :
Data analysis and reporting
- **Development of a highly sensitive method for detecting and quantifying *Lm* in food**
Using molecular biology, high-throughput PCR (Anses IdentityPath platform)

Lm Detection and Enumeration (2)

- Criteria for outsourcing part of PT Trials
- Enquiry on sample pooling practices at National level
- Standardization
 - Chairing ISO/TC 34/SC 9 and participation to CEN/TC 275/WG 6 (B. Lombard)
 - Leadership for revision and validation of EN ISO 11290-1&2, CEN Mandate M/381 (N. Gnanou-Besse)
 - Convenorship of WG 17 on revision of ISO 18593/surface sampling (B. Carpentier/L. Barre)

Molecular Typing/Epidemiology (1)

- **Trainings** : PFGE typing, improvement of the PFGE profile quality, NRL Database management...

- At EURL (autumn 2016)
- On site
- On line, through video guidance

- **PT Trial** : molecular serotyping + PFGE and profile interpretation

Autumn 2016

Strain panel and data analysis : collaboration with SSI

Molecular Typing/Epidemiology (2)

- Transfer of EURL *Lm* DB to the « Molecular Typing Data Collection System »

(EFSA-ECDC DB)

Beginning of 2016

- **Curation** of the MTDC for *Lm* of food origin

- **Investigation of WGS** for typing of *Lm* and use of wgMLST

- **Standardization**

Participation to WG 25 WGS of ISO/TC 34/SC 9
(S. Roussel)