Presentation and discussion on upcoming PTs

EURL-*Campylobacter* workshop 2025
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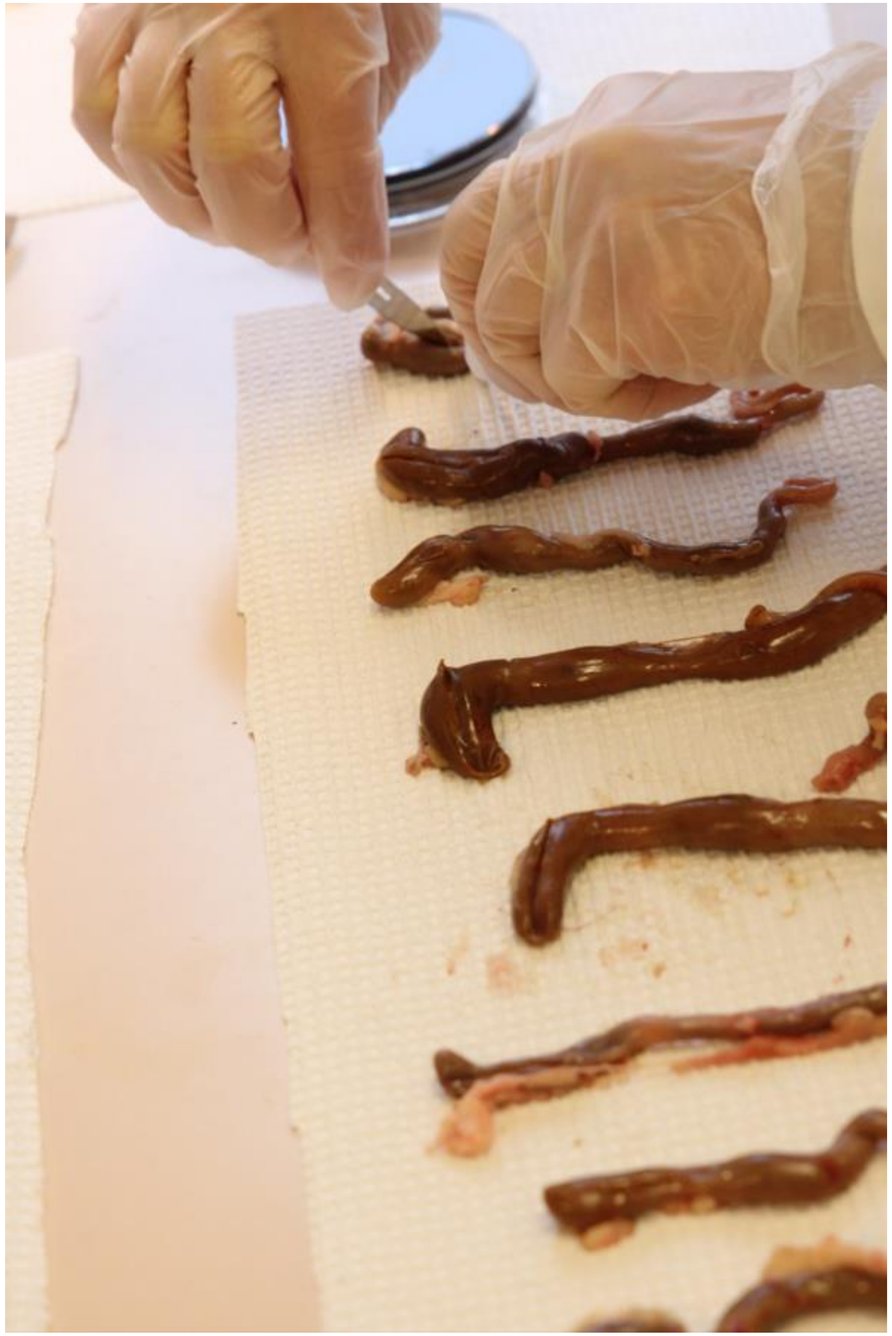
EURL-*Campylobacter*, 30 September



SWEDISH VETERINARY AGENCY

EURL *Campylobacter*

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Plan for PTs 2026

- Mandatory PT 41 ’Enumeration and (voluntary) species identification’
  - 10 samples
  - Matrix: Cabbage (shredded)
  - Reference material: freeze-dried bacteria
  - Voluntary validation study (see next slide)
- Voluntary PT 42 ’Detection and species identification’
  - 10 samples
  - Matrix: Swabs
  - Reference material: freeze-dried bacteria

Voluntary PT 43 ’Whole Genome Sequencing and cluster analyses of *Campylobacter*’

Validation study, ISO 10272-2:2017

- Part of the results from PT participants which opt for the validation study will be used to validate the method described in ISO 10272-2:2017 of an additional food category ("**fresh produce and fruits**") to turn the scope of ISO 10272-2 into "broad range of foods"
- The validation will be done according to **ISO 17468** and **ISO 16140-2:2016, 6.2**
- For NRLs participating in the validation study, it is mandatory to follow ISO 10272-2 in detail when performing the enumeration part of the test
- You also have to perform the test under **repeatability conditions**, for example, a given step of the analysis shall be performed by the same operator
- There will be mandatory **control questions** in the questionnaire to check for this
- Results from **8 of the 10 samples** in the PT will be included in the validation study: one strain with 3 levels of contamination as well as 2 *Campylobacter*-negative samples

PT 43 – 2026

Whole Genome Sequencing and cluster analyses of *Campylobacter*

Participation is voluntary

Outline

- Participants will receive 2 gDNA samples to sequence
- Participants will get access to a dataset containing raw data files (fastq) from 10-20 *Campylobacter strains*

PT 43 – 2026

Procedure

- Participants will prep and sequence the two gDNA samples
- Participants will analyze the gDNA and the dataset using their own methods
  - QC
  - Contamination
  - MLST
  - AMR (optional)
  - Cluster analyzes

Reporting

- Answer a questionnaire with information about the procedure and results of the analysis
- Upload trees and data to the EURL-*Campylobacter*

PT 43 – 2026

Objectives

- Assessment of NRLs sequence quality and analysis
- Compare the interpretation and methods used for cluster analyses at the participating NRLs
- General discussion about the perception of the cluster and results from the cluster analysis

- **DEADLINE**: June 1st 2026

Dates for PTs 2026

- Date for dispatch: **9th of March**?
- Last date to register: **16th of January**
- Last date to report results:
  - PT 41 & PT 42: **13th of April**
  - PT 43: **1st of June**
- Preliminary reports sent out in June/September
- Final reports before end of 2026