

EURL-Campylobacter



Update ISO and CEN activities

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EURL-Campylobacter Workshop 2021

Current relevant ISO work

- ISO/TC 34/SC 9 Food products – Microbiology
 - **WG 2:** Statistics
 - **WG 3:** Method validation
 - **WG 7:** General requirements and guidance for microbiological examinations
 - ISO/WD 7218 (current version from 2007, Amd 2013)
 - **WG 25:** Whole-genome sequencing for typing and genomic characterization
 - ISO/DIS 23418: Microbiology of the food chain — Whole genome sequencing for typing and genomic characterization of foodborne bacteria — General requirements and guidance
 - Currently pre-FDIS consultation until 2021-11-02
 - The FDIS is then expected to be launched by January 2022.

ISO/TC 34/SC 9/WG 3: Method validation

- Last meetings in October 2020 and April 2021 (Zoom)
- ISO 16140 series
- **EN ISO 16140-3:2021** Method verification
 - Published in January 2021
 - Guidance document for implementation of EN ISO 16140-3 in user laboratories
 - Webinar in March 2021, now available online
- Ongoing work of interest
 - Amendment: **EN ISO 16140-2**, to update the existing document and correct mistakes
 - Revision: **ISO/CD 17468** 'Microbiology of the food chain – Technical requirements and guidance on establishment or revision of standard methods' to bring it in line with the amendment of EN ISO 16140-2
 - New: **ISO/PWI 16140-7** 'Protocol for the validation of methods for the identification of microorganisms'

Summary of current tasks in CEN/TC 463/WG 3 '*Campylobacter*'

- First amendments to ISO 10272:2017, one for part 1 and one for part 2.
- ISO DIS vote and CEN enquiry will start 2021-11-23 and close on 2022-02-15.
- The amendments include;
 - the addition of informative annexes describing: One PCR method for confirmation of thermotolerant *Campylobacter* spp. (annex D), two PCR methods for confirmation and identification of thermotolerant *Campylobacter* spp. (annex E), and the results of the interlaboratory study (annex F),
 - an update of table B1 “Performance testing of culture media for *Campylobacter*”,
 - an update of the composition of Preston broth,
 - an update of the description of the indoxyl acetate test

Update on the indoxyl acetate test

Proposed change from:

- If the indoxyl acetate is hydrolysed, a colour change to **dark blue** occurs within 5 min to 10 min. No colour change indicates hydrolysis has not taken place.

Into:

- If the indoxyl acetate is hydrolysed, a colour change **to blue** occurs within 5 min to 10 min. If there is an **unclear result after 10 min., a better result can be obtained after waiting for another 20 min.** No colour change indicates hydrolysis has not taken place.
- In the method comparison study, many *C. upsaliensis* strains resulted in a very weak colour change within 10 min. When the test was repeated under the new proposed instruction, most (23/33 strains) were considered positive for indoxyl acetate.