

Introduction of a Campylobacter proficiency testing scheme for food laboratories

Area of research interest: [Foodborne pathogens](#)

Planned completion: 29 August 2022

Project status: Completed

Project code: FS101219

Authors: UK Health Security Agency – Food and Environmental Proficiency testing Unit

Conducted by: UK Health Security Agency – Food and Environmental Proficiency testing Unit

Date published: 10 November 2023

In 2018, the Food Standards Agency (FSA) commissioned UK Health Security Agency's (UKHSA; previously known as Public Health England) Food and Environmental Proficiency Testing Unit (FEPTU) to provide a bespoke external quality assessment (EQA) scheme for the detection and enumeration of *Campylobacter* spp. from a simulated matrix representing uncooked chicken. This EQA scheme was available to food laboratories in the UK that provide an accredited test for *Campylobacter* spp. in foods. At the time there was no reliable test for *Campylobacter* identification. Not all laboratories consistently took all the distributions that were available, therefore the final numbers reporting a result varied by sample and by distribution. The *Campylobacter* spp. strains chosen to simulate food samples varied and contained the common poultry species (*jejuni* as well as *lari* and *coli*). There was variation in the enumerations results reported, even though all laboratories claimed the same method was used. This scheme has been useful to demonstrate the capabilities of laboratories for detecting and enumerating samples for *Campylobacter* spp.. Only one laboratory obtained a total performance of 100% for all samples examined suggesting that there is room for improvement for all the other laboratories.

PDF

[View Introduction of a Campylobacter proficiency testing scheme for food laboratories as PDF\(Open in a new window\)](#) (1.26 MB)