



National Reference Laboratory for *E.coli* ESTONIA

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Shared tasks and experiences

❖ **The Central Laboratory of Microbiology, Health Protection Inspectorate**

- the safety surveillance of foodstuffs transferred the final consumer and its handling
- official surveillance of humans health

❖ **The Veterinary and Food Laboratory**

- the safety of foodstuffs from producer to wholesale trade
- official surveillance of animal health
- monitoring program for *E.coli* O157 in bovine

Methods

- ❖ **Isolation** by methods including immunomagnetic separation –
EVS EN ISO 16654:2003 &
NMKL 164:1999
- ❖ Detection of **verocytotoxin (VT) genes** by PCR
- ❖ O- and H-serotyping
- ❖ Antibiotic **susceptibility** testing