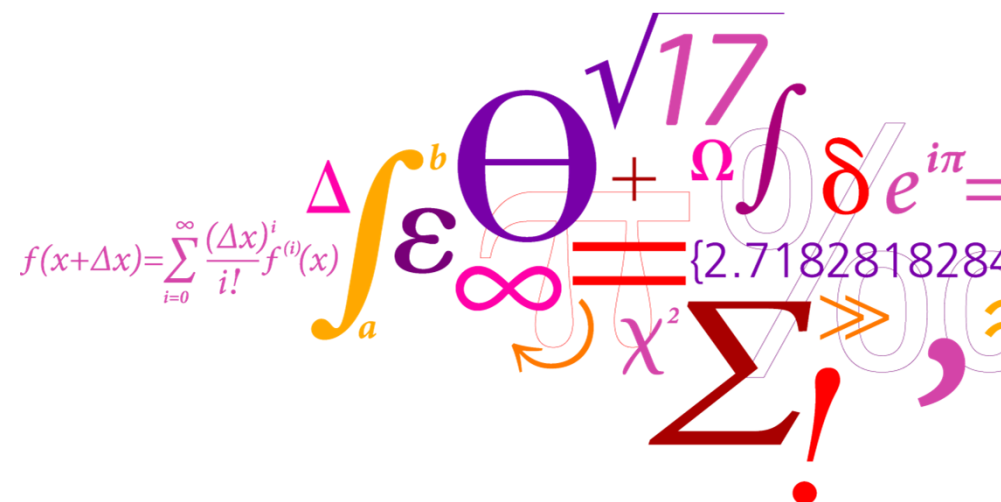




EQAS ESBL/AmpC 2015

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Background for this EQAS

- EURL-AR protocols released in 2014 regarding the mandatory selective isolation in the monitoring of ESBL /AmpC according to regulation EC 652/2013
- Need for knowledge on ESBL AmpC epidemiology
- Lack of laboratory experience on ESBL AmpC selective isolation from ceacal samples/ meat

ESBL AmpC EQAS 2015- Objectives

- Assess the performance of laboratories on the use of selective isolation procedures for detection of ESBL/ AmpC from meat samples and ceacal samples in laboratories involved in the monitoring determined by EC regulation 652/2013
- Assess the MIC testing and confirmation of ESBL AmpC status of the obtained isolates

Description of the EQAS

- Selection of strains with known resistance mechanism
 - Choice of up to eight samples
 - Samples consisting of either ceacal samples or meat samples which might contain *E. coli* strains producing AmpC or ESBL
 - Sample preparation is being validated
 - Sample transportation is being validated

Description of the ESBL AmpC EQAS 2015

- Expected to be sent around same time as other October trial:
 - Samples will be spiked with adequate amounts of the test bacteria and tested for stability, not changing the background flora present in sample
 - For avoiding variations in concentration the amounts of ceacal content or meat are weighed before starting with the addition of the first enrichment medium.

Shipping of parcels

- Shipping of parcels expected to be done soon after preparation, the samples will most likely be frozen before they are shipped (freezing assays ongoing).
- Temperature controlling devices will be sent along in the parcels and will need to be returned to us for reading/ re-use
- Parcels are expected to be sent with sent off mid-October 2015.

Description of the ESBL AmpC EQAS 2015

- Isolation procedures
 - Due to the type of sample, we have asked to **perform the isolation procedure immediately after the reception of the samples**
 - The protocol is based on the official protocol for isolation posted online on the EURL-AR website (<http://eurl-ar.eu>)
 - The laboratories participating should be the laboratories that are performing the isolation procedures for monitoring

Collection of results

- As usual the data obtained will be collected on a database designed for this purpose (database construction ongoing) and which will evaluate results immediately:
 - Page for collection of information on samples processed at NRL
 - Methods page (methods used strict follow EC regulation/ record any modifications)
 - Test samples- results pages

Test results to be uploaded into database

- Insert results selective isolation
 - Growth
 - Species ID
 - **Isolation of presumptive ESBL AmpC *E.coli* isolate (Y/N)**
- Results MIC testing panel 1
 - Res TAZ, FOT or MERO?- go to panel 2
 - **ESBL/AmpC carba presumptive Y/N**
- Results MIC testing panel 2
 - **ESBL/AmpC conclusion (categories according to EFSA)**

More Information

- If labs are not the same as on our address list, this will need to be communicated to the EURL-AR, we will coordinate the collection of this information
- The results this time are only qualitative (Positive/ negative and MIC testing on both panels)
- So far no thresholds for acceptance of results
- Pre-notification with more information will be sent out

