

18th Annual Meeting of the TSE EURL  
Torino, Italy  
12th-13th September 2019

The forthcoming 2019 round of EQAs: issues & news  
**Confirmatory BSE and Scrapie  
Immunoblotting**

Pier Luigi Acutis & Maria Mazza



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Istituto Zooprofilattico Sperimentale del Piemonte, Liguria e Valle d'Aosta – Turin  
Istituto Superiore di Sanità - Rome

# NRL participating in Proficiency Testing



**23 laboratories for both PTs**

## **BSE**

Austria, Belgium, Bulgaria, Croatia, Czech Republic, Finland, France, Germany, Greece, Hungary, Ireland, Italy, The Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom



## **Scrapie**

Austria, Belgium, Bulgaria, Czech Republic, Finland, France, Germany, Greece, Hungary, Ireland, Iceland, Italy, The Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom



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# Planning



- Identification of each laboratory with a code
- Each round includes 5 samples of frozen brainstem homogenates prepared from TSE positive and negative animals
- The samples must be kept at  $-80(\pm 10)^{\circ}\text{C}$  and different information will be provided on them and the transmission of the results (deadline, forms)



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## About shipping

- The shipment of the samples is scheduled within 15th October
- BSE and Scrapie confirmatory PT will be sent along with sample sets for the rapid test
- The samples will be packed with dry-ice and the shipment will be scheduled at the beginning of the week between 9 am and 4 pm
- Import permit from each laboratory
- E-mail to communicate the shipment



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# Transmission of the results

## Submission PTs results by e-mail



- Longer times for the analysis and submission of results (1-2 months)
- The results submitted after the deadline will not be evaluated
- Please include in the submission the raw data (pictures of the blots, readings) and all the information about the kit batches used for the analysis
- Report any information considered important for the correct interpretation of the results



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# Processing of results

## Elaboration of a report with the PTs results



### Correct results

laboratories suitable to perform confirmatory tests



### Incorrect results

analysis of the causes and repeating on a new set of samples



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**Feedback on the 2019 round of EQAs will  
be reported at the annual EURL Meeting**



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# Confirmatory BSE and Scrapie Immunoblotting

## EURL Contact for Confirmatory PTs



### **Pier Luigi Acutis**

e-mail address: [pierluigi.acutis@izsto.it](mailto:pierluigi.acutis@izsto.it)

telephone n.: +39 011 2686324

Fax n.: +39 011 2686322

### **Maria Mazza**

e-mail address: [maria.mazza@izsto.it](mailto:maria.mazza@izsto.it)

telephone n.: +39 011 2686282

fax n.: +39 011 2686322



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