



Short résumé of the Inter-Laboratory Proficiency Test 2022 Identification of VHSV, IHNV, EHNV SVCV and IPNV (PT1) and CyHV-3 (KHV), ISAV and SAV (PT2)

Teena Vendel Klinge, Argelia Cuenca and Niccolò Vendramin

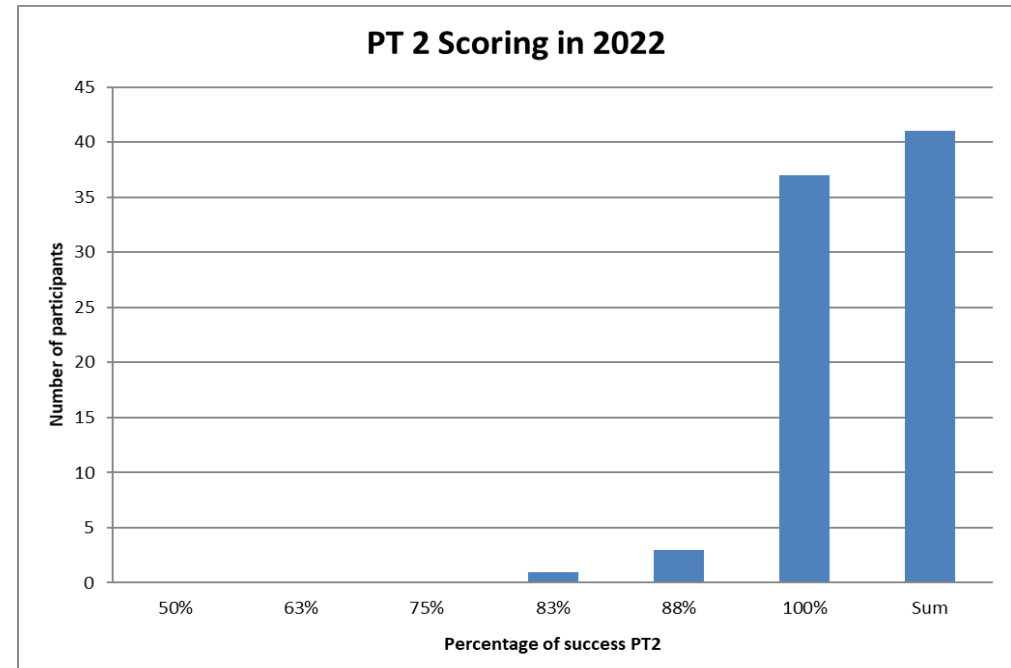
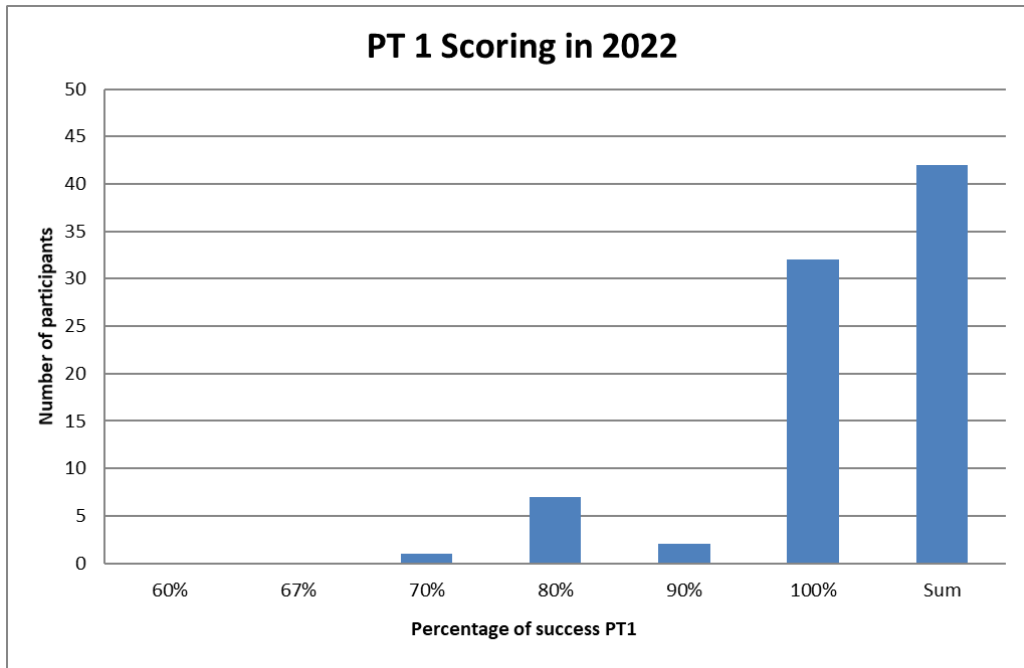
IL-PT 2022

- The IL-PT2022 was shipped to 43 laboratories

- 24 EU Member States
- 9 associated countries
- 10 outside EU

- 42 participated in PT1
- 41 participated in PT2
- One laboratory never received the package
- Challenges with FedEx – we shipped a second package for two laboratories.

Laboratory scoring



Also in IL-PT22 some laboratories scored <100% in PT1 only due to no identification of the Ranavirus and in PT2 due to not discriminate between the listed HPRΔ ISAV and non listed HPR0 ISAV.

”Underperformance”

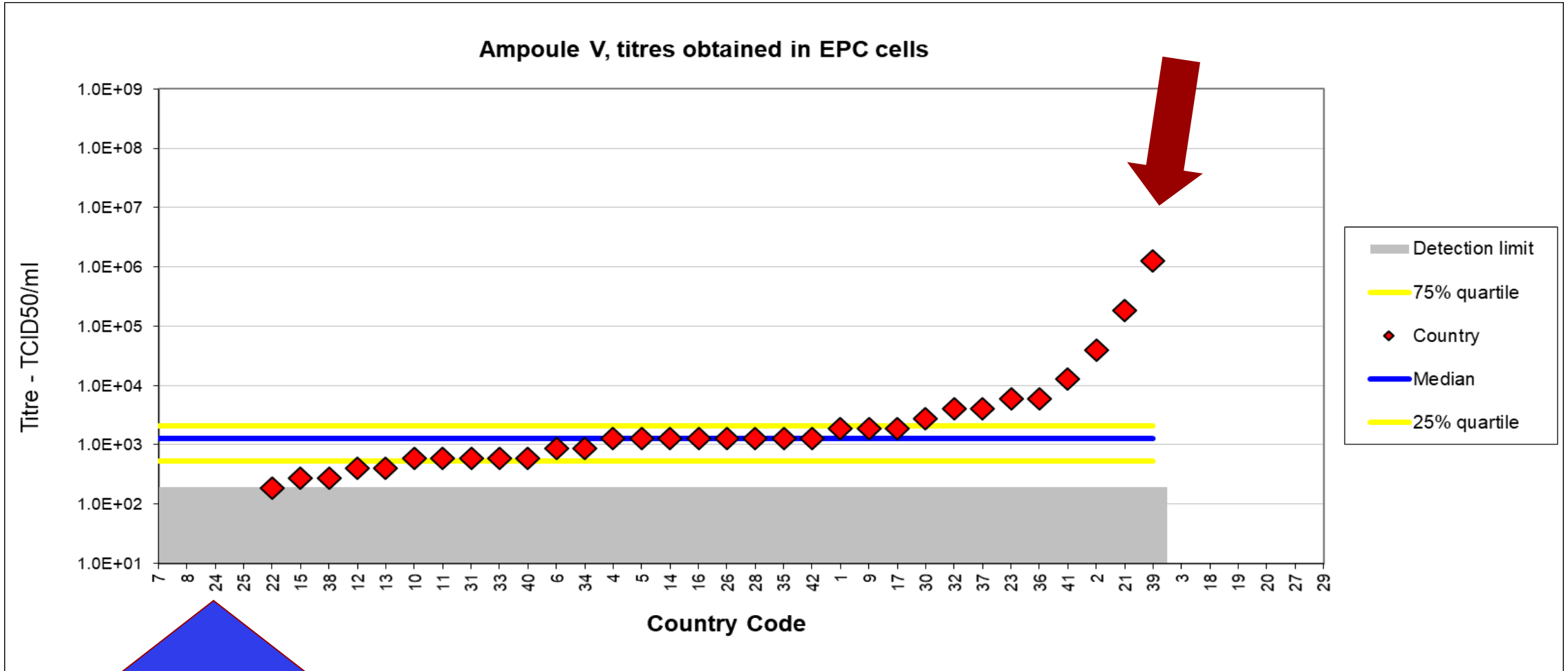
Due to:

- Answering Ranavirus without corroborating the finding with sequence analysis.
- Answering ISAV without discriminate between listed HPR Δ ISAV and non listed HPR0 ISAV.
- Not identify the viral content of the ampoule.

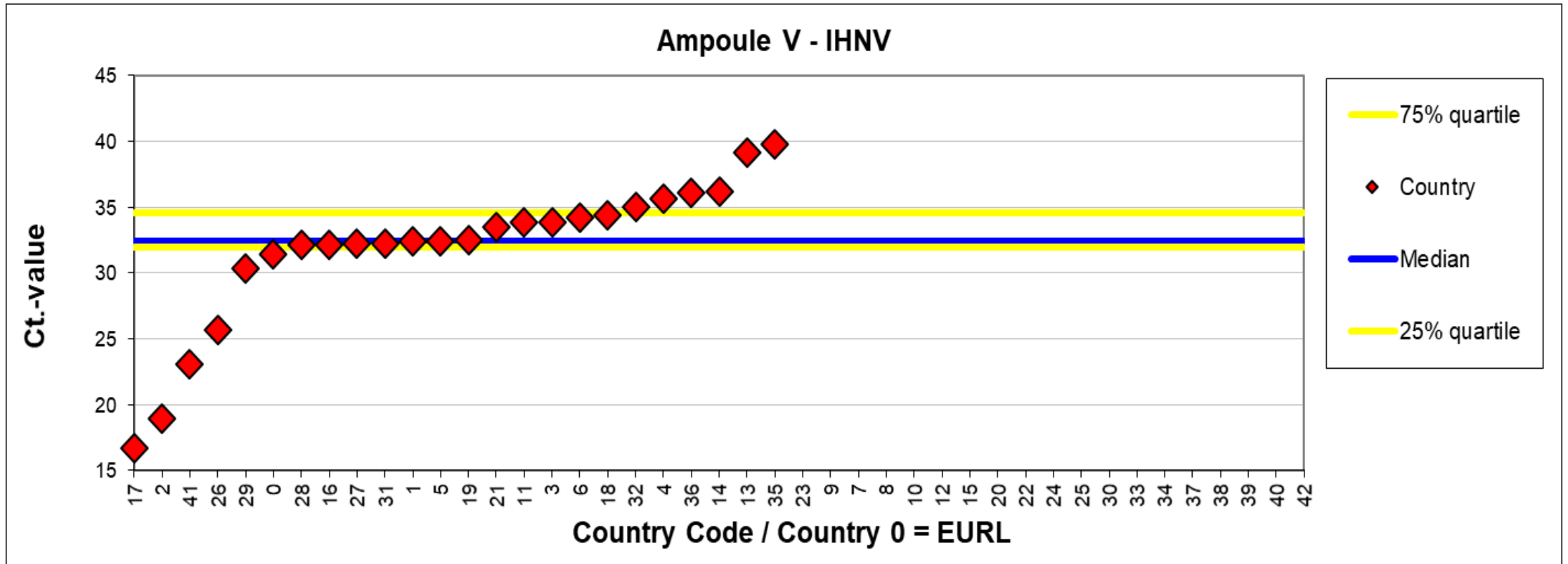
Zoom meeting on 26th of April 2023

- 45 participants Attended the meeting with participants from Europe and oversea.
- We will continue this meeting every year.
- A version 2 of the report was send by e-mail due to a discrepancy in the heading of table 14.
- We will have more focus on Ct- and titter values
- There will be prepared a reference database to help genotyping the isolates included in the PT

Reading of Titre



qPCR – Ct values



Participant-feedback 2022

62% of the participating laboratories completed the questionnaire with feedback.

The questionnaire will be included in the documentation for our quality assurance which is a demand from DANAK, so a great thanks to the 26 participants for support and contribution 😊 even though the questionnaire was send in very short notice.

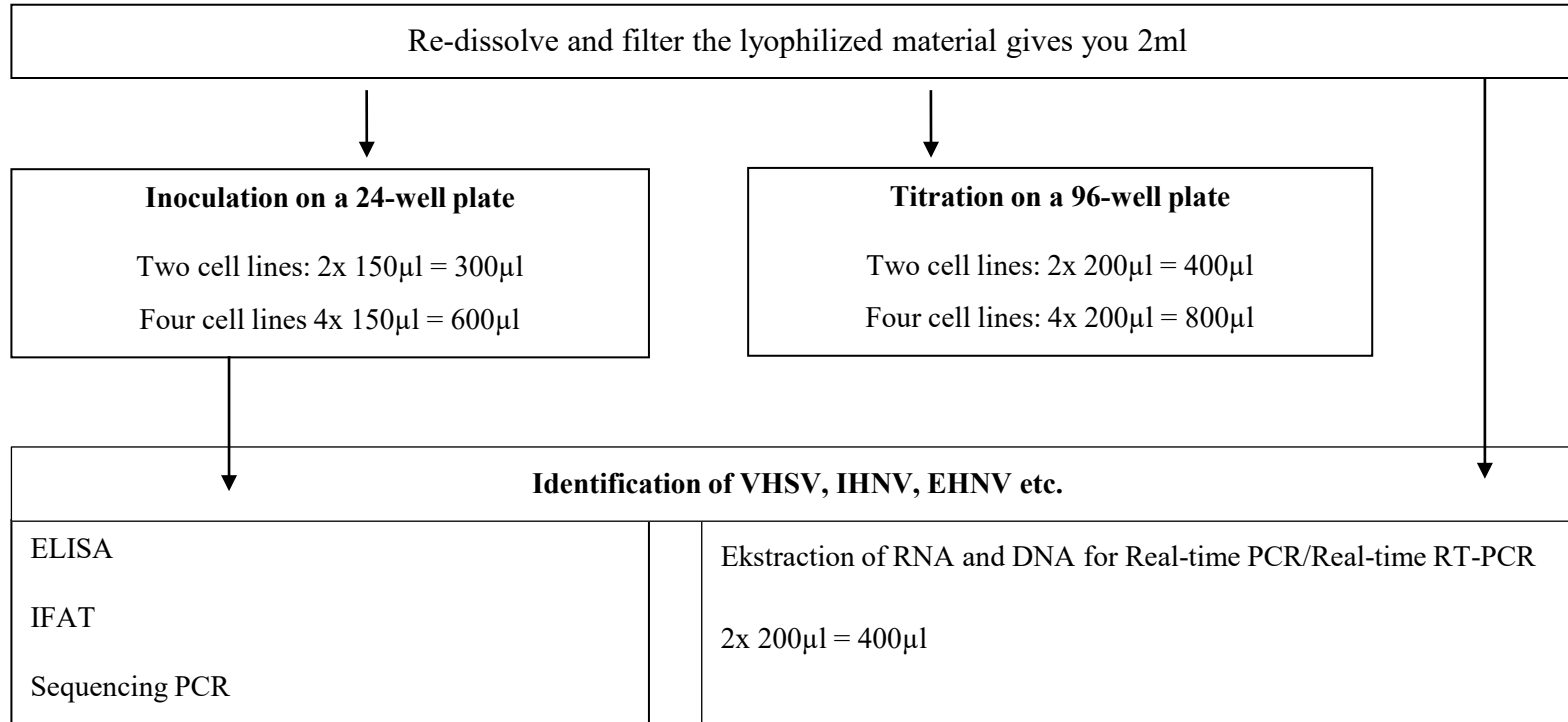
Feedback from participants

- Including of Noda virus
- PT-meeting to be included in the AW program
- Not enough time to do the testing
- Not enough material for testing PT1
- Difficult to open the ampoules
- Confusion about filling in the final results

Do to the on-line meeting:

- Every second year
- Breakout rooms to discuss the results of the PT and problems encountered that year
- Poor internet connection

Recommendations for solving the proficiency test PT1



In total 300 + 400 + 400µl = 1100µl for two cell lines

In total 600 + 800 + 400µl = 1800µl for four cell lines

Feedback - EURL

EURL COMMENTS

- PT1- Rana isolate included shall be sequenced, distinguishing EHN Δ V from the non listed Ranavirus otherwise it will cause the loss of one point.
- PT2- ISA isolate included shall be sequenced, distinguishing HPR Δ and HPR0 otherwise it will cause the loss of one point.
- Testing of the ampoules by **molecular methods shall be done directly from the re-suspended material** and not from the viral isolates.
- FILLING THE SPREADSHEET IN STANDARDIZED WAY please use the instruction how to fill in the spreadsheet.

Proficiency Test 2023

- The test will be send out in October 2023
- PT1: For identification of VHSV, IHNV and EHNV and in addition SVCV, differentiating from other viruses as IPNV, Rana-viruses etc.
- PT2: Identification of ISAV, KHV and SAV
- Please fill in your obtained Ct. values for both PT1 and PT2, only those obtained directly from the ampoules.

Acknowledgements

The EURL team:

- Argelia Cuenca
- Niccolò Vendramin
- Teena Vendel Klinge
- **KHV- Received from:** Dr. Kei Yuasa, National Research Institute of Aquaculture, Japan
- **SAV- Received from:** Ireland
- **ISAV Received from:** The Norwegian Veterinary Institute (Moldal Torfinn)
- **ECV – Received from:** Dr. G. Bovo, ISZ-Ve, Padova, Italy
- **VHSV – Rrecived from:** The Norwegian Veterinary Institute

