

Sunday, July 14, 2024
2:00–3:30 pm
NACRW Veterinary Drugs Working Group
Location: Grand Ballroom E, 3rd level

2:00 – 2:25 pm

Comparison of the Low versus High Resolution-based Confirmation Criteria for Veterinary Chemical Residues in Food Control

Anton Kaufmann, Official Food Control Authority of the Canton of Zürich, Zürich; Switzerland;

Tandem quadrupole based analyte confirmation criteria are well defined and widely accepted. This is not yet the case for high resolution mass spectrometry (HRMS) based measurements. Using the unit mass resolving quadrupole of a Q-HRMS instrument and monitoring two HRMS resolved product ions clearly outperforms any conventional tandem quadrupole based multi reaction monitoring (MRM) confirmation. Hence there is the open question, if reliable HRMS based confirmation is achievable by using wider mass isolation windows (e.g. SWATH) or if the monitoring of one product ion is acceptable.

2:25 – 3:00 pm

Progress of the Veterinary Drug Residue Collaborative Study, 2023-2024 (Rounds 1&2)

Robin Kämpf, ¹ Anton Kaufmann, ¹ Maiwenn Le Floch, ² Alejandra Rodríguez Haralambides, ³ Eric Verdon, ²

¹ **KLZH**, Official food control authority of the Canton of Zurich, Zürich, Switzerland;

² **ANSES**, the French Agency for Food, Environmental and Occupational Health & Safety, Laboratory of Fougères; France;

³ **University of the Republic**, Montevideo; Uruguay;

In 2019, the Vet Drug Working Group started the organization of an inter-laboratory collaborative study to evaluate the screening practices for veterinary drug residues carried out using various new generation mass spectrometry instruments. Three Rounds were planned, each of them focusing on two different commodities. The 32 participating laboratories received multiple vials consisting of spiked final matrix extracts and relevant calibration standards. The first Round, focusing on meat and milk matrices, ended earlier this year with the submission of a report. This has led to the start of the second Round with 2 new matrices: fish and honey. In this presentation, we will focus on the challenges, the final steps and achievements of the Round 1 and the launching of this new stage of the rocket, the Round 2.

3:00 – 3:15 pm

News on the new EU Implementing Regulation for Analytical Methods Performance for the Veterinary Drug Residue Official Control in Food: CIR (EU) 2021/808

Eric Verdon, the French Agency for Food, Environmental and Occupational Health & Safety, Laboratory of Fougères; France;

In July 2022 was presented in this VD-WG session the implementation within the European Union of the new CIR 2021/808 dedicated to the criteria of performance to validate the analytical methods for residues of pharmacologically active substances used in food-producing animals. After 2 years of enforcement, this presentation will address the outlines of the new developments (technical Guidance and webinars) to drive and support the correct implementation across and beyond the European network of official control laboratories.

3:15 –3:30 pm

Open Forum

Moderators –

Jo Marie Cook – Florida Department of Agriculture, FL, USA, retired;

Eric Verdon – The French Agency for Food, Environmental and Occupational Health & Safety, Laboratory of Fougères; France;

