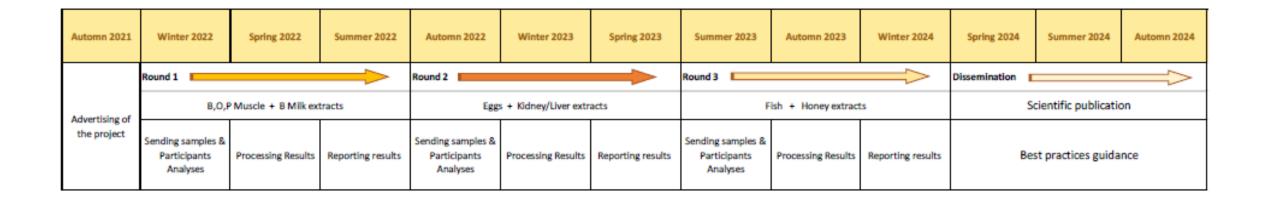


THE PROJECT OF A COLLABORATIVE STUDY

WG decision to initiate a project launching collaborative study rounds

Investigation by means of collab study rounds:



Preparing the first round for end 2021

⇒ After selection of interested advertised participants worldwide
 Formal Invitation Letter with a Scheduled Plan
 & Instructions for the Round will be provided

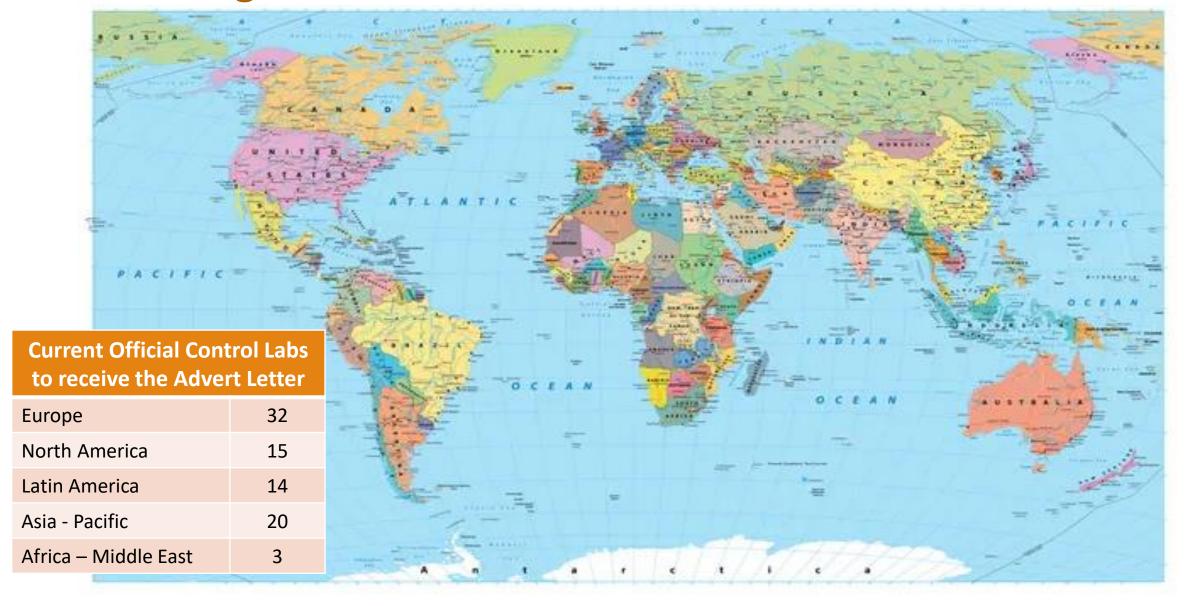


A TOP30 SUBST. - Preparing the first round for end 2021

- ⇒ Capability of the available TQMS & HRMS methods in place to control the various analytes//materials combinations
- ⇒ Proposal of TOP30 Vet Drug Analytes in 2 commodities : muscle (B,P,O) and in milk (B,O,C)
 - > Selection of variation on at least 4 different materials per each commodity
 - > Selection of screening concentrations to be spiked in extracts of tissues and fluids
- ⇒ Issues also to handle : Stability of extracts, Transport and Lab delivery,

 Collect of data, Processing of collected data ...

List of recognized official control laboratories to be advertised



Preparing the first round for end 2021

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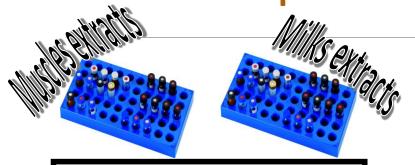


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The study will be as easy as possible for the participants



$\overline{}$			Conditions scénarios	16 matériaux			
-	_		_				
				24 échantillons par matériaux (22 participants + 2 labo)			
-	_						
-							
discontinuous.			de spike. 16 extraits				
	a journe succe	THE REAL PROPERTY.	or spine, as extrains				
Journée	nbre spike	Spike	ribre extraits	Betch	nbre tubes/lait différents	volume spikes final	Nitre echantillons 500ul
	1	1	26	3.3	-4	4*3 = 12ml	24 ech soit 22 perticipents + 3 eb
, I				2.1	4	4*5~22ml	24 wich soit 22 participants + 21sb
				-8.1	- 4	4*8~32ml	24 ech soit 22 perticipents + 25 eb
				4.1	4	4*3~12ml	24 ech soit 22 participants + 21 ab
Journée	nbre spike	Spike	rtbre extraits	Betch	ribre tubes/lait différents	ordume spikes final	Nbre éthantillons 500 µl
	1	2	36	11.2	4 (idem ci-dessus)	4x3=12ml	24 ech soit 22 participants + 21 ab
				2.2	4 (idem ci-dessus)	4x3 = 12ml	24 ech soit 32 participants + 21 ab
- 1				3.2	4 (idem ci-dessus)	443+12ml	24 ech soit 32 participants + 25 ab
				4.2	4 (idem ci-dessus)	4x3=12ml	24 ech soit 22 participants + 21 ab
Journée	nbre spike	Spike	inbre extraits	Butch	ribre tubes/lait différents	volume spikes final	Nbre echantillons 500µl
	1	3	36	1.3	4 (idem ci-dessus)	4c3+12ml	24 sich soit 22 participants + 2lab
				2.3	4 (idem ci-dessus)	4x3 = 12ml	24 ech soit 22 participants + 21 ab
				3.3	4 (idem ci-dessus)	4x3~12ml	24 ech soit 22 participants + 25 ab
				4.3	4 (idem a-dessus)	4x3+12ml	24 ech soit 22 participants + 25 eb
Journée	nbre spike	Spike	ribre estraits	Betch	ribre tubes/lait différents	volume spikes final	Nore échantillons 500ul
200011164	1	4	16	34	4 (idem ci-dessus)	4x3+12ml	24 ech soit 22 participants + 2 eb
- 1				24	4 (idem ci-dessus)	4c3=12ml	24 ech soit 22 participants + 25 eb
4				84	4 (idem ci-dessus)	4x3~12ml	24 ech soit 22 perticipents + 2 eb
				44	4 (idem a-dessus)	4x3+12ml	24 ech soit 22 participants + 2 eb
_	_				*(cemo-cessos)	463 - 24III	44001 IOT 92 participants + 2780
Avantage: 16 extraits par jour, évaporation 2 fois plus vite si 32			is plus vite si 32			Mit	36 metérieux eu totel
Inconvinient : 4 jours						Mosde	26 matérieux au total
						Nombre de jours	412-8
\neg							

Index	Acquisition Date & Time	Sample Name	Component Name	Mass Info	Retention Time	Peak Area
	dd/mm/yyyy hh:mm	yymmdd_RO_ST_01_00	Analyte-1			
	dd/mm/yyyy hh:mm	yymmdd_MM_ST_01_00	Analyte-1			
	dd/mm/yyyy hh:mm	yymmdd_ReagentBlank	Analyte-1			
	dd/mm/yyyy hh:mm	yymmdd_MatrixBlank_1	Analyte-1			
	dd/mm/yyyy hh:mm	yymmdd_05xSPK_1	Analyte-1			
	dd/mm/yyyy hh:mm	yymmdd_1xSPK_1	Analyte-1			
	dd/mm/yyyy hh:mm	yymmdd_2xSPK_1	Analyte-1			
	dd/mm/yyyy hh:mm	yymmdd_RO_ST_01_00	Analyte-1			
	dd/mm/yyyy hh:mm	yymmdd_MM_ST_01_00	Analyte-1			
	dd/mm/yyyy hh:mm	yymmdd_RO_ST_01_00	Analyte-2			
	dd/mm/yyyy hh:mm	yymmdd_MM_ST_01_00	Analyte-2			
	dd/mm/yyyy hh:mm	yymmdd_ReagentBlank	Analyte-2			
	dd/mm/yyyy hh:mm	yymmdd_MatrixBlank_1	Analyte-2			
	dd/mm/yyyy hh:mm	yymmdd_05xSPK_1	Analyte-2			
	dd/mm/yyyy hh:mm	yymmdd_1xSPK_1	Analyte-2			
	dd/mm/yyyy hh:mm	yymmdd_2xSPK_1	Analyte-2			
	dd/mm/yyyy hh:mm	yymmdd_RO_ST_01_00	Analyte-2			
	dd/mm/yyyy hh:mm	yymmdd_MM_ST_01_00	Analyte-2			

At least 16 final extracts and 10 calibration standards per commodity (2 trays per round with each tray for a specific food commodity).

The participating laboratory is expected to cover the cost of shipping, which should be reasonable.

Prescribed sequences of analysis but with their own methods.

Detailed instructions and Excel results spreadsheets provided together with the extracts.

A high-level mixture of all TOP30 analytes provided with the samples to ensure that they are detectable.

For most laboratories, participation in this study is expected to take one analyst less than 1 week to perform per round.

Data/Factors proposed to be collected and determined for processing results

Identificative Param.

- 1. Retention times
- 2. Low Resolution Reference ion ratios (3 transitions or 2 transitions acceptable)
- **3. High Resolution m/z Signals** (1 precursor or 1 prec+1 fragment): for TOF, QTOF, or QExactive (mass accuracies set at 5 or 10 ppm)
- 4. QC and Internal Standard(s) signals to check consistency of sample preparation and internal stds in analysis
- **5. Carry-over** from signal of blank

Quant/SemiQuant Param.

- **6. Calibration parameters** (regression, ...)
- Matrix effects (in matrix / no matrix)
- 8. Analyte concentrations / or Analyte semi-quant (1 point calibration semi-quant)
- 9. Peak heights & Peak areas

Reminder: Total of 3 rounds expected for the period of study

Round 1: Winter 2022, Summer 2022 (FR-ANSES EU-RL)

Round 2: Automn 2022, Spring 2023 (US-DA-ARS)

Round 3: Summer 2023, Winter 2024 (CH-KLZH)



Eric



Steve

Anton

VETERINARY DRUG RESIDUE NACRW WORKING GROUP



THANK YOU FOR YOUR ATTENTION

PARAMETERS OF PROPOSED COLLABORATIVE STUDY



SHERRI TURNIPSEED AND ERIC VERDON
MONDAY JULY 26, 2021

