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SEACFMD Laboratory Network Meeting

Current FMD Laboratory Activities in Lao PDR

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FMD situation in 2021-2023

- No clinical FMD outbreak reported in 2022
- Serotype “O” was prevalent in 2019 and 2020 .
- Serotype “A” which was detected in 2018 in Attapeu province has not been found thereafter.



- Scheduled serum and probang samples collection from 30 sentinel animals
- NSP survey from slaughtered animals in the slaughter houses 4974 samples in 2022 with 1453 positive(29.21%) and 1928 in 2023 with 546 positive(28.32%)

year	N.Of animal	FMD NSP ELISA		Total	percentage
		Negative	positive		
2023	30	30		30	100%

Realtime PCR result

year	N.Of animal	Realtime PCR		Total	percentage
		Negative	positive		
2023	30	30		30	100%



Proficiency testing during the past 5 years

Type of test	Type of programme	Organiser	Participating date/year
LPB ELISA	PT	Woah	2019
Typing ELISA	PT	Woah	2019
PCR	PT	Woah	2019



Qualification ISO/17045 or other

Framework	Assured Organisation	Participating date/year
Policy and strategic plan	NAHL,DLF	12/2022

In the past 3 years, the post vaccination monitoring were just conducted in FMD control Zone for big ruminants trade between Laos and China in Luangnamtha province :

- 4 times of sample collection were conducted in the buffer zone around 20 blood samples were collected each time
- 10% sample collection from export cattle from Laos to China

Year	Number of samples received at National Laboratory	Number of samples tested	type	Not Protected	50% protected	99% protected	Percentage of actual herb protected
2021	59	59	O	15,25	13,56	71,19	100%
			A	11,86	11,86	76,27	100%
2023	16	16	O	0	0	99	99%
			A	0	9,38	80,44	89,82%
			Asia1	0	6,25	86,63	92,88%



Challenges:

- Limitation of sample submitted from outbreak
- Laboratory capacity in diagnosing livestock diseases
- Lack of budget to support laboratory

Way forward:

- Capacity building ,training of Veterinary Paraprofessionals and Village Veterinary Workers (VVWs)



Thank You