

# WOAH Reference Laboratory Reports Activities 2022

## Activities in 2022

This report has been submitted : 25 avril 2023 16:29

### Laboratory Information

<b>Name of disease (or topic) for which you are a designated WOAH Reference Laboratory:</b>	Porcine reproductive and respiratory syndrome
<b>Address of laboratory:</b>	National Veterinary Research Institute, Partyzantow 57 Str., 24-100 Pulawy, Poland
<b>Tel.:</b>	+48 81 889 30 00
<b>E-mail address:</b>	sekretariat@piwet.pulawy.pl
<b>Website:</b>	<a href="https://www.piwet.pulawy.pl/">https://www.piwet.pulawy.pl/</a>
<b>Name (including Title) of Head of Laboratory (Responsible Official):</b>	Professor Stanisław Winiarczyk, DVM, PhD, ScD
<b>Name (including Title and Position) of WOAH Reference Expert:</b>	Katarzyna Podgórska MSc, PhD, Assistant Professor
<b>Which of the following defines your laboratory? Check all that apply:</b>	Governmental

### TOR1: DIAGNOSTIC METHODS

1. Did your laboratory perform diagnostic tests for the specified disease/topic for purposes such as disease diagnosis, screening of animals for export, surveillance, etc.? (Not for quality control, proficiency testing or staff training)

Yes

Diagnostic Test	Indicated in WOAH Manual (Yes/No)	Total number of test performed last year	
Indirect diagnostic tests		Nationally	Internationally
ELISA	YES	4585	0
Direct diagnostic tests		Nationally	Internationally
RT-PCR	YES	452	

**TOR2: REFERENCE MATERIAL**

2. Did your laboratory produce or supply imported standard reference reagents officially recognised by WOA?

No

3. Did your laboratory supply standard reference reagents (nonWOAH-approved) and/or other diagnostic reagents to WOA Members?

Yes

TYPE OF REAGENT AVAILABLE	RELATED DIAGNOSTIC TEST	PRODUCED/ PROVIDE	AMOUNT SUPPLIED NATIONALLY (ML, MG)	AMOUNT SUPPLIED INTERNATIONALLY (ML, MG)	NO. OF RECIPIENT WOA MEMBER COUNTRIES	COUNTRY OF RECIPIENTS
RNA of PRRSV strains	RT-PCR	procuded & provided	0	1 ml	1	Europe
Serum positive for PRRSV-specific antibodies	ELISA/IPMA	procuded & provided	0	10 ml	1	Europe
Serum negative for PRRSV-specific antibodies	ELISA/IPMA	procuded & provided	18 ml	0	1	Europe

4. Did your laboratory produce vaccines?

No

5. Did your laboratory supply vaccines to WOA Members?

No

**TOR3: NEW PROCEDURES**

6. Did your laboratory develop new diagnostic methods for the designated pathogen or disease?

No

7. Did your laboratory validate diagnostic methods according to WOA Standards for the designated pathogen or disease?

No

8. Did your laboratory develop new vaccines for the designated pathogen or disease?

No

9. Did your laboratory validate vaccines according to WOA Standards for the designated pathogen or disease?

No

**TOR4: DIAGNOSTIC TESTING FACILITIES**

10. Did your laboratory carry out diagnostic testing for other WOA Members?

Yes

NAME OF WOA	WHICH DIAGNOSTIC	NO. SAMPLES RECEIVED	NO. SAMPLES RECEIVED FOR PROVISION OF
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MEMBER COUNTRY SEEKING ASSISTANCE	DATE	TEST USED	FOR PROVISION OF DIAGNOSTIC SUPPORT	CONFIRMATORY DIAGNOSES
HONG KONG	2022-07-30	RT-PCR	0	4

11. Did your laboratory provide expert advice in technical consultancies on the request of an WOA Member?

Yes

NAME OF THE WOA MEMBER COUNTRY RECEIVING A TECHNICAL CONSULTANCY	PURPOSE	HOW THE ADVICE WAS PROVIDED
UNITED KINGDOM	Protocols for serological diagnosis PRRS	Remote
BRAZIL	Pooling of samples for PRRSV diagnosis	Remote
THE NETHERLANDS	Serological diagnostics of PRRSV	Remote

## TOR5: COLLABORATIVE SCIENTIFIC AND TECHNICAL STUDIES

12. Did your laboratory participate in international scientific studies in collaboration with WOA Members other than the own?

No

## TOR6: EPIZOOLOGICAL DATA

14. Did your Laboratory collect epidemiological data relevant to international disease control?

Yes

IF THE ANSWER IS YES, PLEASE PROVIDE DETAILS OF THE DATA COLLECTED:

Monitoring of PRRSV infections in Poland

15. Did your laboratory disseminate epidemiological data that had been processed and analysed?

Yes

IF THE ANSWER IS YES, PLEASE PROVIDE DETAILS OF THE DATA COLLECTED:

Prioritisation analysis in relation to other swine diseases; gap analysis regarding diagnostics, vaccines and therapeutics; results of PRRS monitoring in swine herds in Poland.

16. What method of dissemination of information is most often used by your laboratory? (Indicate in the appropriate box the number by category and list the details in the box)

a) Articles published in peer-reviewed journals:

1

Johannes Charlier, Herman W Barkema, Paul Becher, Paola De Benedictis, Ingrid Hansson, Isabel Hennig-Pauka, Roberto La Ragione, Lars E Larsen, Evelyn Madoroba, Dominiek Maes, Clara M Marín, Franco Mutinelli, Alasdair J Nisbet, Katarzyna Podgórska, Jozef Vercruysse, Fabrizio Vitale, Diana J L Williams, Ruth N Zadoks. 2022. Disease control tools to secure animal and public health in

a densely populated world. [www.thelancet.com/planetary-health](http://www.thelancet.com/planetary-health) Vol 6 October 2022, p. 812-824.

b) International conferences:

0

c) National conferences:

0

d) Other (Provide website address or link to appropriate information):

1

Annual report on the national surveillance for PRRS, submitted to the Ministry of Agriculture and Rural Development, Poland

## TOR7: SCIENTIFIC AND TECHNICAL TRAINING

17. Did your laboratory provide scientific and technical training to laboratory personnel from other WOAHA Members?

No

## TOR8: QUALITY ASSURANCE

18. Does your laboratory have a Quality Management System?

Yes

Quality management system adopted	Certificate scan (PDF, JPG, PNG format)	
PN/EN ISO/IEC 17025:2018-02		AB1090.pdf

19. Is your quality management system accredited?

Yes

Test for which your laboratory is accredited	Accreditation body
ELISA	Polish Centre for Accreditation

20. Does your laboratory maintain a "biorisk management system" for the pathogen and the disease concerned?

Yes

## TOR9: SCIENTIFIC MEETINGS

21. Did your laboratory organise scientific meetings related to the pathogen in question on behalf of WOAHA?

No

22. Did your laboratory participate in scientific meetings related to the pathogen in question on behalf of WOAHA?

No

## TOR10: NETWORK WITH WOAHA REFERENCE LABORATORIES

23. Did your laboratory exchange information with other WOA Reference Laboratories designated for the same pathogen or disease?

No

24. Are you a member of a network of WOA Reference Laboratories designated for the same pathogen?

No

25. Did you organise or participate in inter-laboratory proficiency tests with WOA Reference Laboratories designated for the same pathogen?

No

26. Did your laboratory collaborate with other WOA Reference Laboratories for the same disease on scientific research projects for the diagnosis or control of the pathogen of interest?

No

## **TOR11: OTHER INTERLABORATORY PROFICIENCY TESTING**

27. Did your laboratory organise or participate in inter-laboratory proficiency tests with laboratories other than WOA Reference Laboratories for the same pathogen?

No

## **TOR12: EXPERT CONSULTANTS**

28. Did your laboratory place expert consultants at the disposal of WOA?

No

29. Additional comments regarding your report:

Yes

*In 2022 4 samples for international diagnostics were submitted to the laboratory, and there was not request for international trainings. The porcine reproductive and respiratory syndrome is endemic in most of pig producing countries, and a network of reliable diagnostic laboratories providing diagnostic is well developed. The laboratory is fully prepared to provide the infrastructure and expertise for international testing and training if required.*