

# WOAH Reference Laboratory Reports Activities 2022

## Activities in 2022

This report has been submitted : 31 mai 2023 09:50

### Laboratory Information

<b>Name of disease (or topic) for which you are a designated WOA Reference Laboratory:</b>	Q fever
<b>Address of laboratory:</b>	Aleja Partyzantów 57 24-100 Pulawy, Poland
<b>Tel.:</b>	+48609605303
<b>E-mail address:</b>	kniem@piwet.pulawy.pl
<b>Website:</b>	www.piwet.pulawy.pl
<b>Name (including Title) of Head of Laboratory (Responsible Official):</b>	Professor Krzysztof Niemczuk
<b>Name (including Title and Position) of WOA Reference Expert:</b>	Professor Krzysztof Niemczuk
<b>Which of the following defines your laboratory? Check all that apply:</b>	Governmental Research agency

### 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 WOA Manual (Yes/No)	Total number of test performed last year	
Indirect diagnostic tests		Nationally	Internationally
ELISA	YES	724	
real-time PCR	YES	265	
Direct diagnostic tests		Nationally	Internationally

### TOR2: REFERENCE MATERIAL

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

No

3. Did your laboratory supply standard reference reagents (nonWOAH-approved) and/or other diagnostic reagents to WOA?H 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?H MEMBER COUNTRIES	COUNTRY OF RECIPIENTS
positive serum samples	ELISA	produced	4	ml	4	
negative serum	ELISA	produced	2,5	ml	4	

4. Did your laboratory produce vaccines?

No

5. Did your laboratory supply vaccines to WOA?H 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?H 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?H Standards for the designated pathogen or disease?

No

## TOR4: DIAGNOSTIC TESTING FACILITIES

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

No

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

Yes

NAME OF THE WOA?H MEMBER COUNTRY RECEIVING A TECHNICAL CONSULTANCY	PURPOSE	HOW THE ADVICE WAS PROVIDED
UKRAINE	consultation in range recommendation about reagents,	via e-mail
PERU	consultation about possibility performing ELISA and PCR test	via e-mail

## 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:

Level of seropositive cattle herds is 15,35% and percentage of real-time PCR positive cattle herds is 26%

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:

The information about positive results are sent to Veterinary Inspection

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:

*M. Szymańska-Czerwińska, A. Jodelko, Z. Osiński, K. Niemczuk: Screening for Coxiella burnetii in dairy cattle herds in Poland. J Vet Res 66, 549-557, 2022 DOI: 10.2478/jvetres-2022-0070.*

b) International conferences:

*Lecture „Prevalence and genetic characterisation of Coxiella burnetii in cattle in Poland" International Intracellular Bacterial Meeting 2022, Lousanne, Switzerland*

c) National conferences:

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

## TOR7: SCIENTIFIC AND TECHNICAL TRAINING

17. Did your laboratory provide scientific and technical training to laboratory personnel from other WOA H 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)	
ISO 17025	certyfi kat AB 1090	certificate AB 1090.pdf
ISO 17025	scope	scope AB 1090.pdf

19. Is your quality management system accredited?

Yes

Test for which your laboratory is accredited	Accreditation body
ELISA	Polish Center of Accreditation
real-time PCR	Polish Center of 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 WOA H?

No

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

No

## **TOR10: NETWORK WITH WOA H REFERENCE LABORATORIES**

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

Yes

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

No

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

No

26. Did your laboratory collaborate with other WOA H 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 H Reference

Laboratories for the same pathogen?

Yes

Purpose for inter-laboratory test comparisons <sup>1</sup>	Role of your reference laboratory (organizer/participant)	No. participating laboratories	Region(s) of participating WOA Member Countries
PT in range serological diagnosis of Q fever	Organizer	14	Europe
PT in range of real-time PCR	Participant	57	Europe

## ***TOR12: EXPERT CONSULTANTS***

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

No

29. Additional comments regarding your report:

No