

WOAH Reference Laboratory Reports Activities 2022

Activities in 2022

This report has been submitted : 24 avril 2023 12:20

Laboratory Information

Name of disease (or topic) for which you are a designated WOA Reference Laboratory:	Aujeszky's disease
Address of laboratory:	Anses, Laboratoire de Ploufragan-Plouzané-Niort
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Website:	https://www.anses.fr/fr/content/europe-international
Name (including Title) of Head of Laboratory (Responsible Official):	Dr ETERRADOSSI Nicolas
Name (including Title and Position) of WOA Reference Expert:	Dr Marie-Frédérique LE POTIER, head of the swine virology and immunology unit. Responsible for Aujeszky's disease National and WOA reference laboratory
Which of the following defines your laboratory? Check all that apply:	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 WOA Manual (Yes/No)	Total number of test performed last year	
Indirect diagnostic tests		Nationally	Internationally
ELISA gB	YES	1146	0
ELISA gE	YES	663	0

VIRUS NEUTRALIZATION TEST	YES	31	0
Direct diagnostic tests		Nationally	Internationally
PCR	YES	58	0
VIRUS ISOLATION	YES	14	0

TOR2: REFERENCE MATERIAL

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

Yes

TYPE OF REAGENT AVAILABLE	RELATED DIAGNOSTIC TESTING	PRODUCED/ IMPORTED	QUANTITY SUPPLIED NATIONWIDE (ML, MG)	QUANTITY SUPPLIED AT INTERNATIONAL LEVEL (ML, MG)	NAME OF BENEFICIARY WOA?H MEMBER COUNTRIES
International Reference serum ADV1	ELISA gB & gE	Produced		< 10mL	ARGENTINA

3. Did your laboratory supply standard reference reagents (nonWOA?H-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
Serum sub-standard ADV1 gB	ELISA gB	20	19 mL	1 mL	1	Europe
Serum sub-standard ADV1 gE	ELISA gE	14	6 mL	8 mL	2	Europe
Positive control sera	ELISA gB & gE	42	12 mL	30 mL	3	Europe
Negative control sera	ELISA gB & gE	10	10 mL	0	0	
AD Virus inactivated strains	PCR & virus isolation	2	1,5 mL	0	0	

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 WOAHS Standards for the designated pathogen or disease?

No

TOR4: DIAGNOSTIC TESTING FACILITIES

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

No

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

Yes

NAME OF THE WOAHS MEMBER COUNTRY RECEIVING A TECHNICAL CONSULTANCY	PURPOSE	HOW THE ADVICE WAS PROVIDED
SWITZERLAND	Validation criteria for the use of blood filter papers as an alternative sample for antibodies detection by ELISA	e-mail

TOR5: COLLABORATIVE SCIENTIFIC AND TECHNICAL STUDIES

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

No

TOR6: EPIZOOLOGICAL DATA

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

No

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:

- Serological data obtained from the surveillance of wild boar populations hunted during the 2019-2020 and 2021-2022 seasons in three areas of southeastern France.
- Data on the evolution of the number of dogs diagnosed positive for Aujeszky's disease between 2011 and 2021 in France.

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

Laidoudi, Y., B. Davoust, S. Watier-Grillot, A. Oger, M-F Le Potier, et C. Deblanc. 2022. "Serological Survey of Aujeszky's Disease in Wild

Boar from Southeastern France." *Pathogens* 11 (10). <https://doi.org/10.3390/pathogens11101107>.

b) International conferences:

0

c) National conferences:

0

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

1

BHVSJ-SA du 01/03/2022 semaine du 21 au 27/02/2022

<https://www.platforme-esa.fr/fr/bulletin-hebdomadaire-de-veille-sanitaire-internationale-en-sante-animale-du-01-03-2022>

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	PDF	Portée détaillée_1-2250_pde.pdf
ISO 17025	PDF	Portée générale_1-2250.pdf

19. Is your quality management system accredited?

Yes

Test for which your laboratory is accredited	Accreditation body
ELISA gB	COFRAC
ELISA gE	COFRAC
PCR	COFRAC
Virus isolation	COFRAC

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

No

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?

No

TOR10: NETWORK WITH WOA REFERENCE LABORATORIES

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

Not applicable (only WOA Reference Laboratory designated for the disease)

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

Not applicable (Only WOA Reference Laboratory designated for the disease)

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

Not applicable (Only WOA Reference Laboratory designated for the disease)

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?

Not applicable (Only WOA Reference Laboratory designated for the disease)

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?

Yes

Purpose for inter-laboratory test comparisons ¹	Role of your reference laboratory (organizer/participant)	No. participating laboratories	Region(s) of participating WOA Member Countries
The inter-laboratory comparison test (ILCT) PCR AUJ 2022 was organized to assess the laboratories ability to perform the Aujeszky's disease (AD) diagnostic by PCR	ORGANIZER	14	Asia and Pacific Europe

TOR12: EXPERT CONSULTANTS

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

No

29. Additional comments regarding your report:

Yes

The prevalence of Aujeszky's disease (AD) is highly variable depending on the regions. In Europe, most of the countries have achieved a free status regarding this disease or have implemented control or eradication plans. In Europe in general, ELISA and PCR methods are well established in routine use in national reference laboratories, and they do not require confirmatory or differentiation tests from the WOA reference laboratory. Moreover, we have not received any requests for diagnosis from non-European countries in 2022 as previous years

However, our laboratory has worked for several years to help any national reference laboratory or kit producer in the world to improve their diagnostic methods by providing reference reagents : international standard or derived control sera and by organising ILCT.

We have not been asked by WOAHA to participate to any meeting regarding the AD.

We have not receive any demand on training in 2022