Laboratory Information

Name of disease (or topic) for which you are a designated WOAH Reference Laboratory:
Infectious bursal disease (Gumboro disease)

Address of laboratory:
Anses, Laboratoire de Ploufragan-Plouzané-Niort, BP53, 41 rue de Beaucemaine, 22440 Ploufragan, FRANCE

Tel.:
+33 2 96 01 62 22

E-mail address:
icolas.etteradossi@anses.fr

Website:
https://www.anses.fr/fr/content/laboratoire-de-ploufragan-plouzan%C3%A9-niort

Name (including Title) of Head of Laboratory (Responsible Official):
Dr Nicolas Eterradossi

Name (including Title and Position) of WOAH Reference Expert:
Dr Nicolas Eterradossi, Head of 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

<table>
<thead>
<tr>
<th>Diagnostic Test</th>
<th>Indicated in WOAH Manual (Yes/No)</th>
<th>Total number of tests performed last year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Indirect diagnostic tests</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AGID</td>
<td>Nationally: 1142</td>
<td>Internationally: 0</td>
</tr>
<tr>
<td>Virus neutralisation (VN)</td>
<td>Nationally: 464</td>
<td>Internationally: 0</td>
</tr>
<tr>
<td>Direct diagnostic tests</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Viral isolation or titration on chicken embryo fibroblasts</td>
<td>Nationally: 22</td>
<td>Internationally: 0</td>
</tr>
<tr>
<td>Partial amplification of IBDV genome (RT-PCR for VP2 or VP1 genes)</td>
<td>Nationally: 1062</td>
<td>Internationally: 0</td>
</tr>
<tr>
<td>Detection of IBDV genome by real-time RT-PCR (rRT-PCR)</td>
<td>Nationally: 734</td>
<td>Internationally: 0</td>
</tr>
</tbody>
</table>

TOR2: REFERENCE MATERIAL

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

No

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

Yes

<table>
<thead>
<tr>
<th></th>
<th>AMOUNT SUPPLIED</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>
4. Did your laboratory produce vaccines?
No
5. Did your laboratory supply vaccines to WOAH Members?
No

**TOR3: NEW PROCEDURES**

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

<table>
<thead>
<tr>
<th>NAME OF THE NEW TEST OR DIAGNOSTIC METHOD DEVELOPED</th>
<th>DESCRIPTION AND REFERENCES (PUBLICATION, WEBSITE, ETC.)</th>
</tr>
</thead>
</table>

7. Did your laboratory validate diagnostic methods according to WOAH 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 WOAH Standards for the designated pathogen or disease?
No

**TOR4: DIAGNOSTIC TESTING FACILITIES**

10. Did your laboratory carry out diagnostic testing for other WOAH Members?
No
11. Did your laboratory provide expert advice in technical consultancies on the request of an WOAH Member?
No

**TOR5: COLLABORATIVE SCIENTIFIC AND TECHNICAL STUDIES**

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

<table>
<thead>
<tr>
<th>Title of the study</th>
<th>Duration</th>
<th>PURPOSE OF THE STUDY</th>
<th>PARTNERS (INSTITUTIONS)</th>
<th>WOAH MEMBER COUNTRIES INVOLVED OTHER THAN YOUR COUNTRY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Genetic immunity against IBDV</td>
<td>3 years</td>
<td>To characterize the viral and cellular factors involved in the establishment of IBDV persistent infections, both in vitro and in vivo</td>
<td>National Center for Biotechnology (CNB)</td>
<td>SPAIN</td>
</tr>
<tr>
<td>Collaborations on IBDV</td>
<td>ongoing</td>
<td>Collaboration to characterize virus strains and virus-host interactions</td>
<td>The pirbright Institute</td>
<td>UNITED KINGDOM</td>
</tr>
</tbody>
</table>

13. In exercising your activities, have you identified any regulatory research needs* relevant for WOAH?
No

**TOR6: EPIZOOLOGICAL DATA**

14. Did your Laboratory collect epidemiological data relevant to international disease control?
Yes
The laboratory took advantage of the collection of fecal samples from wild birds in France for 1 year during a project on another pathogen to look for the presence of IBDV traces. No IBDV could be detected in the samples from those wild birds (results to be published within report of a wider study).

15. Did your laboratory disseminate epidemiological data that had been processed and analysed?
No

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

b) International conferences:

c) National conferences:

1

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 WOAH Members?
No

TOR8: QUALITY ASSURANCE

18. Does your laboratory have a Quality Management System?
Yes

<table>
<thead>
<tr>
<th>Quality management system adopted</th>
<th>Certificate scan (PDF, JPG, PNG format)</th>
<th></th>
</tr>
</thead>
</table>

19. Is your quality management system accredited?
No

20. Does your laboratory maintain a “biorisk management system” for the pathogen and the disease concerned?
Yes
The laboratory quality management system and procedures comply with nationally applicable regulations and cover biorisk (biosafety and biosecurity) evaluation and management, in line with recommendations of chapter 1.1.4 of OIE Manual

TOR9: SCIENTIFIC MEETINGS

21. Did your laboratory organise scientific meetings related to the pathogen in question on behalf of WOAH?
No

22. Did your laboratory participate in scientific meetings related to the pathogen in question on behalf of WOAH?
**TOR10: NETWORK WITH WOAH REFERENCE LABORATORIES**

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

24. Do you network (collaborate or share information) with other WOAH Reference Laboratories designated for the same pathogen?  
No

25. Did you organise or participate in inter-laboratory proficiency tests with WOAH Reference Laboratories designated for the same pathogen?  
No

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

<table>
<thead>
<tr>
<th>TITLE OF THE PROJECT OR CONTRACT</th>
<th>SCOPE</th>
<th>NAME(S) OF RELEVANT WOAH REFERENCE LABORATORIES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Revision of IBD chapter of OIE manual</td>
<td>ongoing revision</td>
<td>Anses Ploufragan-Plouzané-Niort, France Harbin Veterinary Research Institute, PR China</td>
</tr>
</tbody>
</table>

**TOR11: OTHER INTERLABORATORY PROFICIENCY TESTING**

27. Did your laboratory organise or participate in inter-laboratory proficiency tests with laboratories other than WOAH Reference Laboratories for the same pathogen?  
No

**TOR12: EXPERT CONSULTANTS**

28. Did your laboratory place expert consultants at the disposal of WOAH?  
No

29. Additional comments regarding your report:  
Yes

*Human resources issues in WOAH IBD reference laboratory (two senior scientists missing in 2023) interfered with IBD research and reference activities. New organization defined, recruitments in progress and new projects launched for 2024*