## WOAH Reference Laboratory Reports Activities 2022

### Activities in 2022

This report has been submitted: 8 mars 2023 21:30

### Laboratory Information

<table>
<thead>
<tr>
<th>Name of disease (or topic) for which you are a designated WOAH Reference Laboratory:</th>
<th>Heartwater</th>
</tr>
</thead>
<tbody>
<tr>
<td>Address of laboratory:</td>
<td>Unité mixte de Recherche CIRAD INRAE ASTRE (animal, santé, territoires, risques et écosystèmes), Domaine de Duclos - Prise d’eau - 97170 Petit Bourg, Guadeloupe - France</td>
</tr>
<tr>
<td>Tel.:</td>
<td>+33(0)5 90 25 54 42</td>
</tr>
<tr>
<td>E-mail address:</td>
<td><a href="mailto:valerie.rodrigues@cirad.fr">valerie.rodrigues@cirad.fr</a></td>
</tr>
<tr>
<td>Website:</td>
<td><a href="https://umr-astre.cirad.fr/recherche/collectifs/recherche-et-veille-dans-la-caraibe">https://umr-astre.cirad.fr/recherche/collectifs/recherche-et-veille-dans-la-caraibe</a></td>
</tr>
<tr>
<td>Name (including Title) of Head of Laboratory (Responsible Official):</td>
<td>Nonito PAGES MARTINEZ</td>
</tr>
<tr>
<td>Name (including Title and Position) of WOAH Reference Expert:</td>
<td>Valérie RODRIGUES</td>
</tr>
<tr>
<td>Which of the following defines your laboratory? Check all that apply:</td>
<td>Academic institution</td>
</tr>
</tbody>
</table>

### 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 test performed last year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Indirect diagnostic tests</td>
<td></td>
<td></td>
</tr>
<tr>
<td>INDIRECT Map1-1B elisa</td>
<td>YES</td>
<td>0</td>
</tr>
</tbody>
</table>

WOAH Reference Laboratory Reports Activities 2022
Direct diagnostic tests | Nationally | Internationally
--- | --- | ---
QPCR Sol1 (pcs20) | NO | 2 | 0

**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? No

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>
<tbody>
<tr>
<td>ELISA Map1-B pan especes</td>
<td>en cours de validation sur espèces hors ruminants domestiques</td>
</tr>
</tbody>
</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>
</table>

WOAH Reference Laboratory Reports Activities 2022
<table>
<thead>
<tr>
<th>TOR6: EPIZOOLOGICAL DATA</th>
</tr>
</thead>
</table>

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?

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:
b) International conferences:

1

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>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>attestation Cirad Duclos 2022.pdf</td>
</tr>
</tbody>
</table>

19. Is your quality management system accredited?
Yes

<table>
<thead>
<tr>
<th>Test for which your laboratory is accredited</th>
<th>Accreditation body</th>
</tr>
</thead>
<tbody>
<tr>
<td>ISO/CEI 17025</td>
<td>COFRAC</td>
</tr>
</tbody>
</table>

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 WOAH?
No

22. Did your laboratory participate in scientific meetings related to the pathogen in question on behalf of WOAH?
No
TOR10: NETWORK WITH WOAH REFERENCE LABORATORIES

23. Did your laboratory exchange information with other WOAH Reference Laboratories designated for the same pathogen or disease?  
Not applicable (only WOAH Reference Laboratory designated for the disease)

24. Are you a member of a network of WOAH Reference Laboratories designated for the same pathogen?  
Not applicable (Only WOAH Reference Laboratory designated for the disease)

25. Did you organise or participate in inter-laboratory proficiency tests with WOAH Reference Laboratories designated for the same pathogen?  
Not applicable (Only WOAH Reference Laboratory designated for the disease)

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?  
Not applicable (Only WOAH 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 WOAH Reference Laboratories for the same pathogen?  
Yes

<table>
<thead>
<tr>
<th>Purpose for inter-laboratory test comparisons</th>
<th>Role of your reference laboratory (organizer/participant)</th>
<th>No. participating laboratories</th>
<th>Region(s) of participating WOAH Member Countries</th>
</tr>
</thead>
<tbody>
<tr>
<td>comparaison de performances</td>
<td>organisateur et participant (Comparaison de performances entre Cirad Montpellier et Cirad Guadeloupe)</td>
<td>2</td>
<td>Europe</td>
</tr>
</tbody>
</table>

TOR12: EXPERT CONSULTANTS

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

29. Additional comments regarding your report:  
Yes  
Les activités de diagnostic sont actuellement très en baisse pour cette maladie. Peu de foyers décrits dans les 2-3 dernières années. Un foyer important a été mis en évidence en décembre dernier en Guadeloupe et sera suivi en 2023 (bovins et tiques)  
Peu d’échanges également avec les îles de la Caraïbe. Les activités sont en train de redémarrer avec le début de projets de recherches nationaux et internationaux.  
Des validations de nouvelles méthodes de diagnostic sont en cours, ainsi que les publications associées.