# OIE Reference Laboratory Reports Activities

## Activities in 2015

This report has been submitted: 2016-02-01 18:04:09

<table>
<thead>
<tr>
<th><strong>Name of disease (or topic) for which you are a designated OIE Reference Laboratory:</strong></th>
<th>Q fever</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Address of laboratory:</strong></td>
<td>Anses (Agence nationale de sécurité sanitaire de l’alimentation, de l’environnement et du travail), Laboratoire de Sophia-Antipolis, Unité Fièvre Q Animale, 105, route des Chappes, 06410 BIOT, FRANCE</td>
</tr>
<tr>
<td><strong>Tel.:</strong></td>
<td>+33-4 92.94.37.00</td>
</tr>
<tr>
<td><strong>Fax:</strong></td>
<td>+33-4 92.94.37.01</td>
</tr>
<tr>
<td><strong>E-mail address:</strong></td>
<td><a href="mailto:Elodie.ROUSSET@anses.fr">Elodie.ROUSSET@anses.fr</a></td>
</tr>
<tr>
<td><strong>Website:</strong></td>
<td><a href="https://www.anses.fr/fr/content/laboratoire-de-sophia-antipolis">https://www.anses.fr/fr/content/laboratoire-de-sophia-antipolis</a></td>
</tr>
<tr>
<td><strong>Name (including Title) of Head of Laboratory (Responsible Official):</strong></td>
<td>Richard Thiéry</td>
</tr>
<tr>
<td><strong>Name (including Title and Position) of OIE Reference Expert:</strong></td>
<td>Elodie Rousset</td>
</tr>
<tr>
<td><strong>Which of the following defines your laboratory? Check all that apply:</strong></td>
<td>Governmental</td>
</tr>
</tbody>
</table>
ToR 1: To use, promote and disseminate diagnostic methods validated according to OIE Standards

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 OIE Manual (Yes/No)</th>
<th>Total number of test performed last year</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Nationally</td>
</tr>
<tr>
<td>Indirect diagnostic tests</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ELISA sur sérum caprin, ovin, bovin</td>
<td>Oui (en noir)</td>
<td>11802</td>
</tr>
<tr>
<td>ELISA sur sérum multi-espece (mise)</td>
<td>Non</td>
<td>415</td>
</tr>
<tr>
<td>Direct diagnostic tests</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PCR Temps Reel Quantitative</td>
<td>Oui (en noir)</td>
<td>1473</td>
</tr>
<tr>
<td>Génotypage MLVA</td>
<td>Non</td>
<td>41</td>
</tr>
<tr>
<td>PCR / MLVA (17 marqueurs)</td>
<td>Non</td>
<td>587</td>
</tr>
<tr>
<td>Isolement (souris, culture cellulaire)</td>
<td>Oui (en noir)</td>
<td>6</td>
</tr>
</tbody>
</table>

ToR 2: To develop reference material in accordance with OIE requirements, and implement and promote the application of OIE Standards. To store and distribute to national laboratories biological reference products and any other reagents used in the diagnosis and control of the designated pathogens or disease.

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

   No

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

   Yes
<table>
<thead>
<tr>
<th>Type of reagent available</th>
<th>Related diagnostic test</th>
<th>Produced/provide</th>
<th>Amount supplied nationally (ml, mg)</th>
<th>Amount supplied internationally (ml, mg)</th>
<th>No. of recipient OIE Member Countries</th>
<th>Region of recipients</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bactéries purifiées inactivées dosées (Nine Mile)</td>
<td>PCR</td>
<td>Produit</td>
<td>14</td>
<td>1</td>
<td>2</td>
<td>Africa Americas Asia and Pacific Europe Middle East</td>
</tr>
<tr>
<td>Standard ADN génomique dosé (Nine Mile)</td>
<td>PCR, Génotypage</td>
<td>Produit</td>
<td>0.7</td>
<td>0.1</td>
<td>2</td>
<td>Africa Americas Asia and Pacific Europe Middle East</td>
</tr>
<tr>
<td>Sérum calibrant</td>
<td>ELISA (sérologie)</td>
<td>Produit</td>
<td>27.2</td>
<td>2.8</td>
<td>4</td>
<td>Africa Americas Asia and Pacific Europe Middle East</td>
</tr>
<tr>
<td>Sérum étalon</td>
<td>FC</td>
<td>Produit</td>
<td>2.5</td>
<td>0</td>
<td>1</td>
<td>Africa Americas Asia and Pacific Europe Middle East</td>
</tr>
</tbody>
</table>

4. Did your laboratory produce vaccines?

No

5. Did your laboratory supply vaccines to OIE Member Countries?

No

**ToR 3: To develop, standardise and validate, according to OIE Standards, new procedures for diagnosis and control of the designated pathogens or diseases**

6. Did your laboratory develop new diagnostic methods validated according to OIE Standards for the designated pathogen or disease?

No
7. Did your laboratory develop new vaccines according to OIE Standards for the designated pathogen or disease?

No

**ToR 4: To provide diagnostic testing facilities, and, where appropriate, scientific and technical advice on disease control measures to OIE Member Countries**

8. Did your laboratory carry out diagnostic testing for other OIE Member Countries?

No

9. Did your laboratory provide expert advice in technical consultancies on the request of an OIE Member Country?

Yes

<table>
<thead>
<tr>
<th>Name of the OIE Member Country receiving a technical consultancy</th>
<th>Purpose</th>
<th>How the advice was provided</th>
</tr>
</thead>
<tbody>
<tr>
<td>AUSTRALIA</td>
<td>recommandation de kits ELISA pour porcins</td>
<td>explications par e-mail</td>
</tr>
<tr>
<td>LATVIA</td>
<td>support pour la mise en place d'une PCR, recommandations pour recherche sur lait, demande de MR</td>
<td>échanges par e-mail (supports, notamment tableau avec objectif méthodes du chapitre oie version 2015), discussion sur site, fourniture de MR</td>
</tr>
<tr>
<td>LATVIA</td>
<td>recommandations en sérologie (antigène CFT, CFT et ELISA, des controles, une validation)</td>
<td>renseignements fournis avec proposition du MR calibrant Elisa, et proposition d'un essai d'aptitude bilateral</td>
</tr>
<tr>
<td>TUNISIA</td>
<td>A la recherche d'un témoin positif de PCR ciblant Coxiella burnetii afin de réaliser des PCR</td>
<td>proposition des MR ADN et Bact pour PCR, renseignements sur les certificats, articles transmis pour présenter les 2 méthodes commerciales validées</td>
</tr>
<tr>
<td>AUSTRIA</td>
<td>demande de MR et de participation à une EILSA pour sérologie et conseils</td>
<td>proposition des MR, explication recommandation ELISA et FC, et proposition d'un essai d'aptitude bilateral</td>
</tr>
</tbody>
</table>

**ToR 5: To carry out and/or coordinate scientific and technical studies in collaboration with other laboratories, centres or organisations**

10. Did your laboratory participate in international scientific studies in collaboration with OIE Member Countries other than the own?

No
ToR 6: To collect, process, analyse, publish and disseminate epizootiological data relevant to the designated pathogens or diseases

11. Did your Laboratory collect epizootiological data relevant to international disease control?
No

12. Did your laboratory disseminate epizootiological data that had been processed and analysed?
No

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

a) Articles published in peer-reviewed journals: 9

Duron Olivier, Sidi-Boumedine Karim, Rousset Elodie, Moutailler Sara, Jourdain Elsa. 2015. The importance of ticks in Q fever transmission: what has (and has not) been demonstrated. Trends in Parasitology. 31(11):536-522.


b) International conferences: 7
Communications affichées

Joulié Aurélien, Laroucau Karine, Bailly Xavier, Prigent Myriam, Gasqui Patrick, Lepetitcolin Elisabeth, Blanchard Béatrice, Rousset Elodie, Sidi-Boumédie Karim, Jourdain Elsa. Coxiella burnetii circulation in a naturally infected...
dairy sheep flock: individual shedding, environmental contamination and strain diversity. ESCCAR International Congress on Rickettsia and other Intracellular bacteria, Lausanne, Switzerland, June 13-16, 2015.


c) National conferences: 7

Communication orale et acte de congrès


Communication orale


**ToR 7: To provide scientific and technical training for personnel from OIE Member Countries**

**To recommend the prescribed and alternative tests or vaccines as OIE Standards**

14. Did your laboratory provide scientific and technical training to laboratory personnel from other OIE Member Countries?

No

**ToR 8: To maintain a system of quality assurance, biosafety and biosecurity relevant for the pathogen and the disease concerned**

15. Does your laboratory have a Quality Management System certified according to an International Standard?

Yes

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

16. Is your laboratory accredited by an international accreditation body?

Yes

<table>
<thead>
<tr>
<th>Test for which your laboratory is accredited</th>
<th>Accreditation body</th>
</tr>
</thead>
<tbody>
<tr>
<td>ELISA sur sérum</td>
<td>COFRAC</td>
</tr>
</tbody>
</table>

17. Does your laboratory maintain a “biorisk management system” for the pathogen and the disease concerned?
**ToR 9: To organise and participate in scientific meetings on behalf of the OIE**

18. Did your laboratory organise scientific meetings on behalf of the OIE?
   
   No

19. Did your laboratory participate in scientific meetings on behalf of the OIE?
   
   No

**ToR 10: To establish and maintain a network with other OIE Reference Laboratories designated for the same pathogen or disease and organise regular inter-laboratory proficiency testing to ensure comparability of results**

20. Did your laboratory exchange information with other OIE Reference Laboratories designated for the same pathogen or disease?
   
   Not applicable (Only OIE Reference Lab. designated for disease)

21. Was your laboratory involved in maintaining a network with OIE Reference Laboratories designated for the same pathogen or disease by organising or participating in proficiency tests?
   
   Not applicable (Only OIE Reference Lab. designated for disease)

22. Did your laboratory collaborate with other OIE Reference Laboratories for the same disease on scientific research projects for the diagnosis or control of the pathogen of interest?
   
   Not applicable (Only OIE Reference Lab. designated for disease)

**ToR 11: To organise inter-laboratory proficiency testing with laboratories other than OIE Reference Laboratories for the same pathogens and diseases to ensure equivalence of results**

23. Did your laboratory organise or participate in inter-laboratory proficiency tests with laboratories other than OIE Reference Laboratories for the same disease?
   
   Yes
ToR 12: To place expert consultants at the disposal of the OIE

24. Did your laboratory place expert consultants at the disposal of the OIE?

No

25. Additional comments regarding your report: