WOAH Reference Laboratory Reports Activities 2022

Activities in 2022

This report has been submitted : 8 mars 2023 14:11

Laboratory Information

Name of disease (or topic) for which you are a designated WOAH Reference Laboratory:	Equine infectious anemia
Address of laboratory:	Istituto Zooprofilattico Sperimentale del Lazio e della Toscana M. Aleandri via Appia Nuova, 1411 - 00178 Rome, Italy
Tel.:	+390679099449
E-mail address:	teresa.scicluna@izslt.it
Website:	https://www.izslt.it/
Name (including Title) of Head of Laboratory (Responsible Official):	Maria Teresa Scicluna, Head of Virology Unit
Name (including Title and Position) of WOAH Reference Expert:	Maria Teresa Scicluna
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 WOAH Manual (Yes/No)	Total number of test performed last year	
Indirect diagnostic tests		Nationally	Internationally
AGID	Yes	432	0
Elisa	Yes	18022	0
IB	Yes	129	0
Direct diagnostic tests		Nationally	Internationally

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 (nonWOAH-approved) and/or other diagnostic reagents to WOAH Members?

Yes

TYPE OF REAGENT AVAILABLE	RELATED DIAGNOSTIC TEST	PRODUCED/ PROVIDE	AMOUNT SUPPLIED NATIONALLY (ML, MG)	AMOUNT SUPPLIED INTERNATIONALLY (ML, MG)	NO. OF RECIPIENT WOAH MEMBER COUNTRIES	COUNTRY OF RECIPIENTS
recombinant p26	agid	produced and provided	92 ml	0	1	Europe
positive serum	agid	produced and provided	276 ml	0	1	Europe
monoclonal antibody catcher	elisa	provided	13 ml	0	1	Europe
monoclonal antibody tracer	elisa	provided	6.5 ml	0	1	Europe
recombinant p26	elisa	produced and provided	5 ml	0	1	Europe

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?

No

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?

Yes

NAME OF THE WOAH MEMBER COUNTRY RECEIVING A TECHNICAL CONSULTANCY	PURPOSE	HOW THE ADVICE WAS PROVIDED
SAUDI ARABIA	Provision of information and use of reagents for the serological and molecular diagnosis of Equine Infectious Anemia	In videoconference
GEORGIA	Provision of information and use of reagents for the serological and molecular diagnosis of Equine Infectious Anemia and organization of a visit to the Reference Laboratory for training on the methods and the Quality assurance System	In videoconference
MEXICO	Support and collaboration for the validation of the serological diagnostic kits	Email
BRAZIL	Advice on the serological diagnostic methods to carry out for the confirmation of the reactivity of a sample of a horse involved in a legal issue.	Email
GERMANY	Provision of verified field sera for the valdiation of a serological elisa	In videroconference and email
ITALY	Provision of verified field sera for the valdiation of a serological elisa	By email

TOR5: COLLABORATIVE SCIENTIFIC AND TECHNICAL STUDIES

12. Did your laboratory participate in international scientific studies in collaboration with WOAH 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:
The WOAH Reference Laboratory, as National Reference Centre for EIAV, collects data on surveillance activities and outbreaks using online platform made available to the Italian Laboratory Network who every trimester upload the results of the tests conducted according to the National Surveillance Programme. The data is elaborated and presented on the website https://craie.izslt.it/craie/ with different level of access as following: • a section accessible to the public to view the national epidemiological situation (CRAIE Web GIS), • a section accessible to the official authorities (CRAIE Web GIS), within which they can manage the outbreaks by downloading the list of premises that must be controlled, within a radius of 3 km from the outbreak and within 30 day from the declaration of outbreak, • The whole system is also accessible to the National and Regional Veterinary to verify the activities carried out according to their competency.

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 national data on the state of advance of the National Surveillance Programme is represented as periodic reports on https://craie.izslt.it/craie/ and yearly reports to the national veterinary services.

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:

c) National conferences:

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

https://craie.izslt.it/craie/

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

Quality management system adopted	Certificate scan (PDF, JPG, PNG format)	
ISO/IEC 17025/2018	PDF	accreditation certificate izslt eia_2022.pdf

19. Is your quality management system accredited?

Yes

Test for which your laboratory is accredited	Accreditation body
AGID	ACCREDIA
Serological ELISA	ACCREDIA
Immunoblot	ACCREDIA

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

Yes

Biosecurity Manual, version 5, published 16th March 2021

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?

No

24. Are you a member of a network of 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?

No

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

Purpose for inter-laboratory test comparisons1	Role of your reference laboratory (organizer/participant)	No. participating laboratories	Region(s) of participating WOAH Member Countries
Serological diagnosis of EIA using AGID	Participant	24	Europe
Serological diagnosis of EIA using ELISA	Participant	18	Europe

TOR12: EXPERT CONSULTANTS

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

No

29. Additional comments regarding your report:

Yes

As requested a letter was sent to Dr Montserrat Arroyo Deputy Director General
International Standard and Science World Organization for Animal Health explaining the difficulties encountered in fulfilling the Terms of Reference and in particular:

-The COVID-19 pandemic continued to pose even duing 2022 serious limitations to collaborations and the development of the activities of the Reference laboratory directly and indirectly as the efforts of the personnel were also redirected in the support of the laboratory diagnosis of this disease as per mandate by the National Authorities.

-The international diagnostic activity for Equine Infectious Anaemia (EIA) depends on the different levels of attention in each state. Actually EIA is included in the D and E categories according to the Animal Health Law, meaning that measures are needed to prevent it from spreading on account of its entry into the Union or movements between Member States and that there is a need for surveillance within the Union. Each european state has a different set up of surveillance of EIA.

The European Union Reference Laboratory for EIA, at the ANSES (Agence nationale de sécurité sanitaire de l'alimentation, de l'environnement et du travail), does not employ further diagnostic methods, for confirmation of suspect samples, other than AGID. For these reason, despite the fact that we are the only laboratory in Europe that have implemented the Immunoblot (IB) method and validated it according to WOAH criteria and that the IB is reported in the WOAH Manual, no requests for third level of confirmation were ever submitted to this RL.