

OIE Reference Laboratory Reports Activities

Activities in 2019

This report has been submitted : 2020-01-24 05:38:56

Name of disease (or topic) for which you are a designated OIE Reference Laboratory:	Yellow head disease
Address of laboratory:	CSIRO Livestock Industries 5 Portarlington Road Private Bag 24 (Ryrie Street) Geelong 3220, Victoria AUSTRALIA
Tel.:	+61-3 52 27 57 49
Fax:	+61-3 52 27 55 55
E-mail address:	nick.moody@csiro.au
Website:	www.csiro.au
Name (including Title) of Head of Laboratory (Responsible Official):	Prof Trevor Drew - Director
Name (including Title and Position) of OIE Reference Expert:	Nick Moody - AAHL Fish Diseases Laboratory Group Leader
Which of the following defines your laboratory? Check all that apply:	Governmental Research

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

Diagnostic Test	Indicated in OIE Manual (Yes/No)	Total number of test performed last year	
		Nationally	Internationally
Indirect diagnostic tests		Nationally	Internationally
0	0	0	0
Direct diagnostic tests		Nationally	Internationally
AFDL YHV1 RT-qPCR		33	77
CSIRO YHV RT-qPCR		33	77

**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

Type of reagent available	Related diagnostic test	Produced/ provide	Amount supplied nationally (ml, mg)	Amount supplied internationally (ml, mg)	No. of recipient OIE Member Countries	Region of recipients
YHV1-infected ethanol-fixed tissue homogenate	Molecular diagnostic tests	Provided	1ml	N/A	1	<input type="checkbox"/> Africa <input type="checkbox"/> Americas <input checked="" type="checkbox"/> Asia and Pacific <input type="checkbox"/> Europe <input type="checkbox"/> Middle East

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?

Yes

Name of OIE Member Country seeking assistance	Date (month)	No. samples received for provision of diagnostic support	No. samples received for provision of confirmatory diagnoses
VANUATU	May	19	0
SAUDI ARABIA	November	15	0
PAPUA NEW GUINEA	December	36	0

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

No

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

If the answer is no, please provide a brief explanation of the situation:

Efforts are currently under way to complete preliminary evaluation of new Yellow Head 1 real time and conventional molecular assays. There is limited reports of disease due to infection with YHV1

12. Did your laboratory disseminate epizootiological data that had been processed and analysed?

No

If the answer is no, please provide a brief explanation of the situation:

Please see above

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: 0
- b) International conferences: 0
- c) National conferences: 0
- d) Other:
(Provide website address or link to appropriate information) 0

**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?

Yes

Quality management system adopted	Certificate scan (PDF, JPG, PNG format)
ISO9001	BSI Certificate 9001 issue 2018.pdf
ISO14001	BSI Certificate 14001 issue 2018.pdf
ISO17025 & ISO17043	Certification 17043 and NATA Scope of Accreditation 17025.pdf

16. Is your quality management system accredited?

Yes

Test for which your laboratory is accredited	Accreditation body
20.10 Microbiology For companion animals, production animals, production avian species, zoo animals, wildlife, aquatic animals, equine species and avian species	NATA (ILAC affiliated)
20.11 Bacteriology 01 Diagnostic bacteriology - incorporating identification by simple microscopy, cultural methods of detection and identification of organisms 03 Immunological methods of antigen detection	NATA (ILAC affiliated)
20.13 Other Microorganisms 01 Diagnostic microbiology - incorporating identification by simple microscopy, cultural methods of detection and identification of organisms, including Innocuity testing	NATA (ILAC affiliated)
20.14 Virology 01 Diagnostic virology - non-cultural (immunological) methods of detection 02 Diagnostic virology - cultural methods of detection and identification of organisms Including Innocuity testing 05 Quantitative procedures	NATA (ILAC affiliated)
20.15 Prions 01 Histological identification of prion disease lesions 02 Detection of prion protein by immunological methods (including ELISA, Western Blots, immunohistochemistry) 04 Detection of prion protein by bioassay	NATA (ILAC affiliated)
20.25 Serology of Infection For companion animals, production animals, production avian species, zoo animals, wildlife, equine species and avian species 01 Agar gel immunodiffusion tests 02 Complement fixation tests 03 Enzyme linked immunosorbent assays 04 Haemagglutination inhibition 05 Indirect fluorescent antibody tests 06 Microscopic agglutination tests 08 Serum agglutination tests 09 Serum neutralisation tests 10 Latex agglutination tests 99 Other - Testing for rabies and rabies related lyssaviruses on human specimens	NATA (ILAC affiliated)
20.50 Anatomical Pathology For companion animals, production animals, production avian species, laboratory animals, zoo animals, wildlife, aquatic animals, equine species and avian species	NATA (ILAC affiliated)
20.52 Histopathology 01 Processing of fixed specimens for histology 04 Immunohistochemistry 05 Histological interpretation	NATA (ILAC affiliated)
20.53 Electron Microscopy 01 Transmission electron microscopy 02 Scanning electron microscopy 04 Immunohistochemistry electron microscopy	NATA (ILAC affiliated)
20.54 Necropsy	NATA (ILAC affiliated)
20.80 Molecular Diagnostics For companion animals, production animals, production avian species, aquatic animals, equine species and avian species 01 Identification by extraction and amplification 02 Sequencing 03 Genotyping 99 Other - Testing for rabies and rabies related lyssaviruses on human specimens by molecular techniques	NATA (ILAC affiliated)
20.95 Foreign Regulatory Requirements 01 European Union Directives for Animal Health Council Directive 88/407/EEC of 14 June 1988 Council Directive 64/432/EEC of 26 June 1964 Commission Implementing Decision 2011/630/EU of 20 September 2011 Council Directive 89/556/EEC of 25 September 1989 Commission Decision 2006/168/EC of 4 January 2006 Council Directive 91/68/EEC of 28 January 1991 Council Directive 92/65/EEC of 13 July 1992 Commission Decision 2010/472/EU of 26 August 2010 Commission Decision 2004/211/ED of 6 January 2004 Commission Decision 2010/471/EU of 26 August 2010 For the following species for the following diseases using the following methods of testing: Ovine - EHD, c-ELISA, SNT	NATA (ILAC affiliated)
1.12 Weighing devices [In-House Calibration] 01 Precision laboratory balances [In-House Calibration] with least uncertainties of measurement of - 5 in 10 ⁶ or 56 µg (whichever is greater) up to 3 kg	NATA (ILAC affiliated)

1.80 Calibration of temperature measuring equipment [In-House Calibration] 41 Digital temperature indicator systems [In-House Calibration] with least uncertainties of measurement of - 0.5°C from -20 to 125°C	NATA (ILAC affiliated)
1.84 Testing of controlled enclosures [In-House Calibration] 02 Incubators [In-House Calibration] with least uncertainties of measurement of - 0.5°C from 0 to 125°C by the methods of - AS 2853 03 Autoclaves and sterilising ovens [In-House Calibration] with least uncertainties of measurement of - 0.5°C from 0 to 125°C	NATA (ILAC affiliated)
13.69 Controlled environments [In-House Calibration] by the methods of - AS 1807.1, .5, .6, .22, .23 AS/NZS 2243.8 Appendices A and B 01 Clean rooms and workstations [In-House Calibration] .02 Biological safety cabinets [In-House Calibration] .03 Fume cupboards [In-House Calibration]	NATA (ILAC affiliated)
42.01 Human and Veterinary Pathology Services	NATA (ILAC affiliated)
Accreditation No: 13546 (Scope Last Changed 08/12/14)	NATA (ILAC affiliated)

17. Does your laboratory maintain a “biorisk management system” for the pathogen and the disease concerned?

Yes

(See *Manual of Diagnostic Tests and Vaccines for Terrestrial Animals, Chapter 1.1.4*)

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?

Yes

Title of event	Date (mm/yy)	Location	Role (speaker, presenting poster, short communications)	Title of the work presented
OIE Global Conference on Aquatic Animal Health	2-4 April 2016	Santiago, Chile	Invited Participant	N/A
Regional Side Meeting on aquatic animal health	4 April 2019	Santiago, Chile	Speaker	OIE Regional Collaboration Framework - draft plan
Regional Seminar for OIE National Focal Points for Veterinary Laboratories	17-18 June 2019	Chiang Mai, Thailand	Invited Speaker	Sustainability in aquatic laboratories
13th OIE Seminar the 19th WAVLD Symposium	21 June 2019	Chiang mai, Thailand	Invited Speaker	Asia-Pacific Laboratory Proficiency Testing Program for Aquatic Animal Diseases
1st meeting of the ad hoc Steering Committee of the Regional Collaboration Framework on aquatic animal health in Asia and the Pacific	21 November 2019	Bangkok Thailand	Steering Committee Member	N/A

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?

No

Note: See Interlaboratory test comparisons in: Laboratory Proficiency Testing at: <http://www.oie.int/en/our-scientific-expertise/reference-laboratories/proficiency-testing> see point 1.3

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?

Yes

Kind of consultancy	Location	Subject (facultative)
Dr Nick Moody, ad hoc Group member	Email	ad hoc Group on tilapia lake virus
Dr Nick Moody, ad hoc Group member	Email	ad hoc Group on the OIE Manual of Diagnostic Tests for Aquatic Animals

25. Additional comments regarding your report: