

OIE Reference Laboratory Reports Activities

Activities in 2019

This report has been submitted : 2020-01-21 18:46:52

Name of disease (or topic) for which you are a designated OIE Reference Laboratory:	Spring viraemia of carp
Address of laboratory:	Barrack Road, The Nothe, Weymouth, Dorset DT4 8UB UNITED KINGDOM
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Website:	
Name (including Title) of Head of Laboratory (Responsible Official):	Dr Rachel Hartnell
Name (including Title and Position) of OIE Reference Expert:	David Stone
Which of the following defines your laboratory? Check all that apply:	Governmental

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			
ELISA (for detection of SVCV antibody)	Yes	0	0
Direct diagnostic tests			
Culture (EPC cells)	Yes	196	0
RT-PCR	Yes	0	0

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
Virus	RT-PCR and Rt-qPCR	Virus isolates	0	5ml	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?

No

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

Yes

Name of the OIE Member Country receiving a technical consultancy	Purpose	How the advice was provided
UKRAINE	Provision of technical advice on the suitability of the diagnostic methods available	Remote Assistance
CZECH REPUBLIC	Provision of technical advice on the suitability of the Provision of technical advice on the suitability of the SVCV Ag ELISA diagnostic kits for surveillance	Remote Assistance

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?

Yes

Title of the study	Duration	Purpose of the study	Partners (Institutions)	OIE Member Countries involved other than your country
Complete genome characterisation of international isolates of SVCV and Rt-qPCR assay design	6 month	Characterisation of SVCV	US Dept. of Interior, US Geological Survey	CHINA (PEOPLE'S REP. OF) UNITED STATES OF AMERICA

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:
Sequencing of historical SVCV isolates from Europe to identify virulence markers. Identification of a new genotype, and identification of potential epidemiological markers unpublished.

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:

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

Alexandra Emelianchik, Thaís CS Rodrigues, Kuttichantran Subramaniam, Ole Nielsen, Kathy A Burek-Huntington, David Rotstein, Vsevolod L Popov, David Stone, Thomas B Waltzek (2019) Characterization of a novel rhabdovirus isolated from a stranded harbour porpoise (*Phocoena phocoena*) Characterization of a novel rhabdovirus isolated from a stranded harbour porpoise (*Phocoena phocoena*).

Virus research, 273

GK Amarasinghe, MA Ayllón, Y Bào, CF Basler, S Bavari, KR Blasdel, et al (2019)

Taxonomy of the order Mononegavirales: update 2019

Archives of virology 164 (7), 1967-1980

b) International conferences: 1

Annabel Rice, Mark van der Giezen, David Stone & Tetsu Kudoh (2019)

19th International Conference on Diseases of Fish and Shellfish - EAAP 2019, Porto, 9-12 September 2019

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)
ISO17025	UKAS Accreditation Certificate.pdf

16. Is your quality management system accredited?

Yes

Test for which your laboratory is accredited	Accreditation body
Detection and confirmation of SVCV by RT-PCR	UKAS
Isolation and identification of SVCV UKAS 17.	UKAS

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?

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?

Yes

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?

No

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?

Yes

Title of the project or contract	Scope	Name(s) of relevant OIE Reference Laboratories
RT-qPCR for SVCV	provided viruses for all genotypes of SVCV and sequence information for modified RT-qPCR primers and probes	Dr. Hong Liu, director of the Reference Lab of Aquatic Animal Diseases, Shenzhen Exit & Entry Inspection and Quarantine Bureau, General Administration of Quality Supervision Inspection and Quarantine (AQSIQ) of P. R. China

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

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

Purpose for inter-laboratory test comparisons ¹	No. participating laboratories	Region(s) of participating OIE Member Countries
Comparative test of diagnostic procedures for EU listed fish diseases	50	<input type="checkbox"/> Africa <input type="checkbox"/> Americas <input type="checkbox"/> Asia and Pacific <input checked="" type="checkbox"/> Europe <input type="checkbox"/> Middle East

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:

