

WOAH Reference Laboratory Reports Activities 2022

Activities in 2022

This report has been submitted : 24 avril 2023 14:44

Laboratory Information

Name of disease (or topic) for which you are a designated WOAH Reference Laboratory:	Channel catfish virus disease
Address of laboratory:	College of Veterinary Medicine, 240 Wise Center Drive, Mississippi State, MS 39762 USA
Tel.:	16623251202
E-mail address:	hanson@cvm.msstate.edu
Website:	
Name (including Title) of Head of Laboratory (Responsible Official):	Larry A. Hanson, PhD Professor, Director of the Fish Diagnostic Laboratory
Name (including Title and Position) of WOAH Reference Expert:	Larry A. Hanson, PhD Professor, Director of the Fish Diagnostic Laboratory
Which of the following defines your laboratory? Check all that apply:	Academic institution

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
Direct diagnostic tests		Nationally	Internationally
Cell culture Isolation	yes	9	
qPCR	no	5	

TOR2: REFERENCE MATERIAL

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

No

3. Did your laboratory supply standard reference reagents (nonWOAH-approved) and/or other diagnostic reagents to WOA?H Members?

No

4. Did your laboratory produce vaccines?

No

5. Did your laboratory supply vaccines to WOA?H 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 WOA?H 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 WOA?H Standards for the designated pathogen or disease?

No

TOR4: DIAGNOSTIC TESTING FACILITIES

10. Did your laboratory carry out diagnostic testing for other WOA?H Members?

No

11. Did your laboratory provide expert advice in technical consultancies on the request of an WOA?H Member?

No

TOR5: COLLABORATIVE SCIENTIFIC AND TECHNICAL STUDIES

12. Did your laboratory participate in international scientific studies in collaboration with WOA?H Members other than the own?

Yes

Title of the study	Duration	PURPOSE OF THE STUDY	PARTNERS (INSTITUTIONS)	WOAH MEMBER COUNTRIES INVOLVED OTHER THAN YOUR COUNTRY
Improving Biosecurity: A Science-based Approach to Manage Fish Disease Risks and Increase the Socio-economic Contribution of the	3 years	Evaluate current Aquaculture practices and improve biosecurity in Nigerian Aquaculture	World Fish (Malaysia), University of Ibadan (Nigeria)	NIGERIA

Nigerian Catfish and Tilapia Industries				
--	--	--	--	--

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:

As part of the research project in Nigeria, we helped teach field personnel in Nigeria about health management. They collected management and outbreak information which will be used in our biosecurity plan.

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:

0

b) International conferences:

2

Venugopalan, Arun, Matt J. Griffin, David J. Wise, Danielle' White, Lorelei Ford, Adrián López-Porras, Alvin C. Camus, and Larry A. Hanson. (2022). Virulence and immunogenicity of Blue Catfish Alloherpesvirus (BCAHV) in channel, blue and blue x channel hybrid catfish. 9th International Symposium on Aquatic Animal Health. September 5-8, 2022, Santiago, CHILE

Arun Venugopalan, Matt J. Griffin, David J. Wise, Andrew D. Perkins, Cynthia Ware, Charles M. Walker, Bradley M. Richardson, Geoffrey C. Waldbieser, Lorelei Ford, Kuttichantran Subramaniam, Thomas B. Waltzek, Esteban Soto, and Larry A. Hanson. Spatiotemporal Survey of Two Discrete Genotypes of Latent Channel Catfish Virus (IcHV1) Using Quantitative Real-Time Assays. 9th International Symposium on Aquatic Animal Health. September 5-8, 2022, Santiago, CHILE

c) National conferences:

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 WOA H Members?

Yes

a) Technical visit :

b) Seminars : 1

c) Hands-on training courses:

d) Internships (>1 month)

Type of technical training provided (a, b, c or d)	Country of origin of the expert(s) provided with training	No. participants from the corresponding country
b	Nigeria	20

TOR8: QUALITY ASSURANCE

18. Does your laboratory have a Quality Management System?

Yes

Quality management system adopted	Certificate scan (PDF, JPG, PNG format)	
ISO 17025		QAU-F-043 - MVRDLS Letter of Quality Assurance RevFeb20.pdf

19. Is your quality management system accredited?

Yes

Test for which your laboratory is accredited	Accreditation body
Cell Culture and Virus Isolation	American Association of Veterinary Laboratory Diagnosticians

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

Yes

TOR9: SCIENTIFIC MEETINGS

21. Did your laboratory organise scientific meetings related to the pathogen in question on behalf of WOA H?

No

22. Did your laboratory participate in scientific meetings related to the pathogen in question on behalf of WOA H?

No

TOR10: NETWORK WITH WOA H REFERENCE LABORATORIES

23. Did your laboratory exchange information with other WOA H Reference Laboratories designated for the same pathogen or disease?

Not applicable (only WOA H Reference Laboratory designated for the disease)

24. Are you a member of a network of WOA H Reference Laboratories designated for the same pathogen?

Not applicable (Only WOA H Reference Laboratory designated for the disease)

25. Did you organise or participate in inter-laboratory proficiency tests with WOA H Reference Laboratories designated for the same pathogen?

Not applicable (Only WOA Reference Laboratory designated for the disease)

26. Did your laboratory collaborate with other WOA Reference Laboratories for the same disease on scientific research projects for the diagnosis or control of the pathogen of interest?

Not applicable (Only WOA 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 WOA Reference Laboratories for the same pathogen?

No

TOR12: EXPERT CONSULTANTS

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

No

29. Additional comments regarding your report:

No