

# WOAH Reference Laboratory Reports Activities 2022

## Activities in 2022

This report has been submitted : 4 février 2023 00:18

### Laboratory Information

<b>Name of disease (or topic) for which you are a designated WOA Reference Laboratory:</b>	Enteric septicaemia of catfish ( <i>Edwardsiella ictaluri</i> )
<b>Address of laboratory:</b>	College of Veterinary Medicine, 240 Wise Center Drive, Mississippi State, MS 39762 USA
<b>Tel.:</b>	16623251202
<b>E-mail address:</b>	hanson@cvm.msstate.edu
<b>Website:</b>	
<b>Name (including Title) of Head of Laboratory (Responsible Official):</b>	Larry A. Hanson, PhD Professor, Director of the Fish Diagnostic Laboratory
<b>Name (including Title and Position) of WOA Reference Expert:</b>	Larry A. Hanson, PhD Professor, Director of the Fish Diagnostic Laboratory
<b>Which of the following defines your laboratory? Check all that apply:</b>	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 WOA Manual (Yes/No)	Total number of test performed last year	
Indirect diagnostic tests		Nationally	Internationally
Direct diagnostic tests		Nationally	Internationally
Bacterial culture and identification	yes	194	

qPCR

no

10

**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?

No

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?

No

**TOR5: COLLABORATIVE SCIENTIFIC AND TECHNICAL STUDIES**

12. Did your laboratory participate in international scientific studies in collaboration with WOAH 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	3 years	Evaluate current Aquaculture practices and improve biosecurity in	World Fish, University of Ibadan	NIGERIA

Contribution of the Nigerian Catfish and Tilapia Industries		Nigerian Aquaculture		
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## 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

*Marchant, A., C. Baugher, L. Ford, A. Peterman, L. Petrie-Hanson, L. Hanson. Sublethal microcystin LR exposure predisposes channel catfish to bacterial diseases. 9th International Symposium on Aquatic Animal Health. September 5-8, 2022, Santiago, CHILE*

*Hanson, L.A. "Examples of global, national and regional AMR and biosecurity activities at Mississippi State University". in Preventing Antimicrobial Resistance Together; Go blue for AMR. Virtual webinar of the FAO Reference Centers on AMR and Aquatic Biosecurity. FAO Zoom meeting. 30 November 2022*

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 WOAAH 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
Bacterial culture and identification	The American Association of Veterinary Laboratory Diagnosticians
Antibiotic Sensitivity testing	The 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 WOAAH?

No

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

No

## TOR10: NETWORK WITH WOAAH REFERENCE LABORATORIES

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

Not applicable (only WOAAH Reference Laboratory designated for the disease)

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

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

25. Did you organise or participate in inter-laboratory proficiency tests with WOAAH 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