



COLLEGE OF AGRICULTURE & LIFE SCIENCES
**Animal & Comparative
Biomedical Sciences**

Aquaculture Pathology Lab
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Reference Laboratory for
AHPND, IHHNV, NHP-B,
TSV, and WSSV



World Organisation
for Animal Health

FINAL REPORT

4/30/2026

Aqua Touch Laboratory Co., Ltd.

118/133-135 Pradya BizHome 2, Lat krabang Road, Lat krabang, Lat Krabang, Bangkok, 10520,
Thailand

Email: tanjitti.p@touchlaboratory.com

Dear Tanjitti

Thank you for participating in the February 2026 Ring Test for PCR Laboratories. In the following pages, you will find a summary of your results along with those of 22 other participants. As customary, the laboratories' names have been replaced with letter codes. The letter assigned to your laboratory is the letter "B". On this occasion, we had the participation of laboratories from 11 countries as follows: Australia (2), Ecuador (4), Guatemala (1), India (1), Indonesia (1), Madagascar (1), Malaysia (3), Peru (3), Thailand (3), UAE (2), and USA (2).

The pathogens representing a panel of samples you received included White spot syndrome virus (WSSV), Acute hepatopancreatic necrosis disease (AHPND), *Penaeus vannamei* nodavirus (PvNV), Decapod penstyldensovirus 1 (IHHNV), Infectious myonecrosis virus (IMNV), Yellow head virus type 1 (YHV-1), *Enterocytozoon hepatopenaei* (EHP), and Translucent post larvae disease (TPD). The sample set also included specific pathogen-free (SPF) shrimp tissues. A summary of the results from all participants in the ring test is presented in Table 3. The designation "N/A" (Not Analyzed) was used if a laboratory did not test for a particular pathogen. If a sample was reported correctly, the box appears 1/1 or 2/2 to indicate the correct result. If no pathogens were detected in the sample, the designation 0/1 or 2/3, highlighted in red, was used (False negative). If a sample was reported incorrectly, the box appears 2/1, 3/2, or 4/2, highlighted in red, to indicate the incorrect result (False positive). Tables 4 through 12 show summaries of methodology and turnaround times, respectively.

Your laboratory chose to detect the following pathogens: WSSV, AHPND, PvNV, IHHNV, IMNV, EHP, YHV-1, and TPD. As shown in Table 3, your laboratory correctly reported all selected pathogens. **Congratulations!**



Thank you for participating in the Ring test. We hope the results will assist you in your diagnostic work and that you find this exercise helpful in assessing your detection and diagnostic capabilities. A printed copy of this report will be mailed to your address as per your request.

Sincerely,



Hung Nam Mai, Ph.D.
Researcher/Scientist III



Arun K. Dhar, PhD
Professor.
Director, Aquaculture Pathology Laboratory

Disclosure: This Ring test is intended only as a means to evaluate proficiency in the detection of shrimp pathogens by RT-PCR/PCR /RT-qPCR/qPCR. This Ring test is not a certification of the participating laboratory (ies) or of the technician(s) performing such tests. Based on the results of this Ring test, a laboratory should be able to make modifications/improvements as needed.

The University of Arizona, Aquaculture Pathology Laboratory is accredited by ISO/IEC 17043:2010 by ANAB, while demonstrating technical competence in the field of PROFICIENCY TESTING PROVIDER. Refer to the accompanying Scope of Accreditation for information regarding the types of activities to which this accreditation applies

The University of Arizona, Aquaculture Pathology Laboratory is an OIE Reference Laboratory for Acute Hepatopancreatic Necrosis Disease, Infectious Hypodermal and Hematopoietic Necrosis, Necrotising Hepatopancreatitis, Taura Syndrome and White Spot Disease.