

राष्ट्रीयमात्स्यिकीविकासबोर्ड
National Fisheries Development Board
जलीय जीव स्वास्थ्य एवं गुणवत्ता परीक्षण प्रयोगशाला
Aquatic Animal Health & Quality Testing Laboratory
मत्स्यपालनविभाग
Department of Fisheries



मत्स्यपालन, पशुपालन एवं डेयरी मंत्रालय, भारत सरकार
Ministry of Fisheries, Animal Husbandry & Dairying, Government of India

स्तम्भसंख्या - 235, पी. वी. एन. आर एक्सप्रेसवे, डाक- एस. वी. पी. एन. पी. ए. हैदराबाद- 500 052

Pillar No: 235, PVNR Expressway, SVPNPA Post, Hyderabad-500 052

फोन/ Phone No. 040- 24000177/201/24015564, फैक्स/Fax No: 040-2401 5568, वेबसाइट/website: nfdb.gov.in

Dt: 14-07-2022 / 870

To
The Director of Fisheries,
Govt. of Jharkhand
Nepal House, Doranda- 834 002
Ranchi, Jharkhand
Jharkhand

Dear Sir, /Madam,

Sub: NFDB- Aquatic Animal Health and Quality Testing Laboratory (AAH & QTL) - Skill development training programs & availing the facility for the seed, feed, water and soil testing - Reg.

Ref: 1. Training Calendar of AAH&QTL 2022-23
2. Testing cost various parameters at AAH&QTL, NFDB.

Greetings from National Fisheries Development Board.

We are happy to inform you that Aquatic Animal Health and Quality Testing Laboratory (AAH & QTL), NFDB is offering "**Testing & Hands-on Training services**" to the students, entrepreneurs, & fisheries stakeholders to improve their technical skills.

The laboratory has 4 divisions namely

- Molecular Diagnostics Division,
- Microbiology Division
- Residual Testing Division
- Feed and Water Testing Division

The Salient facilities available in the lab are

- HPLC for detection of Antibiotics, Aminoacids and residues.
- Kjeldahl System for proximate analysis for testing feed quality





- Atomic Absorption Spectroscopy for testing heavy metals.
- DNA sequencing System for microbial identification and detection of new pathogens.
- Real-Time PCR for detection and quantification of pathogens

Trainings offered at the AAH&QTL, as follows are;

- Hands-on training on Real Time PCR and its applications
- Hands-on Training on Aqua feed analysis
- Hands-On training on Polymerase Chain Reaction (PCR) and its applications
- Training on Fundamentals of Biotechniques
- Hands on training on microbial culture techniques (TPC, Salmonella, Streptococcus, Staphylococcus & E-Coli)
- Hands-on training on water quality testing (DO, pH, Alkalinity, Hardness, Salinity, TDS, CO₂, Nitrite, Nitrate, Phosphate, Ammonia, H₂S)
- Hands-on training for species Identification by sanger sequencing method.
- Hands-on Training program on Principles and applications of HPLC

And In view of the above, it is requested to circulate the information in your organization thus enabling the students/entrepreneurs/stakeholders to utilize the opportunity.

The Testing service list and Training calendar 2022-23 is attached for your kind perusal. Details are available in website nfdb.gov.in.

This issues with the approval of the competent authority.

Yours faithfully

(Y. Vijay Kumar)
Executive Director (Technical)



Aquatic Animal Health & Quality Testing Laboratory National Fisheries Development Board

Department of Fisheries

Ministry of Fisheries, Animal Husbandry and Dairying, Government of India
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89

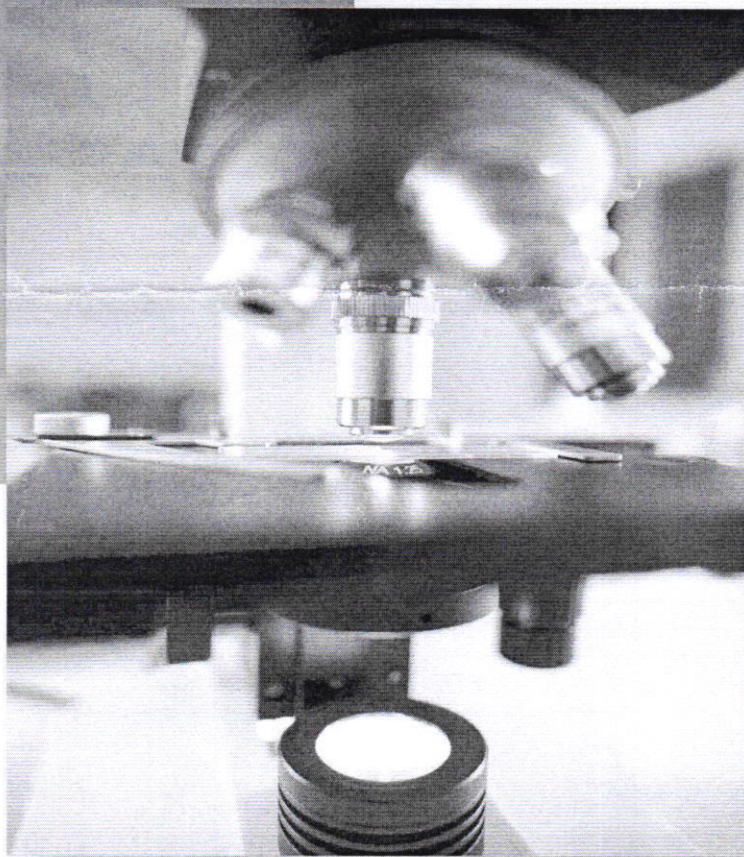
2022-2023

TRAINING CALENDAR

S No.	Training Program Details	No. of Days	Course Fee (Rs.)	Batch Schedules	
				From	To
1	Hands-on training on Real Time PCR and its applications	3	3500	07-Jun-22	09-Jun-22
				02-Aug-22	04-Aug-22
				11-Oct-22	13-Oct-22
				07-Feb-23	09-Feb-23
2	Hands-on Training on Aqua feed analysis	3	3000	21-Jun-22	23-Jun-22
				23-Aug-22	25-Aug-22
				25-Oct-22	27-Oct-22
				06-Dec-22	08-Dec-22
				21-Feb-23	23-Feb-23
3	Hands-on training on Polymerase Chain Reaction (PCR) and its applications	3	3000	05-Jul-22	07-Jul-22
				13-Sep-22	15-Sep-22
				22-Nov-22	24-Nov-22
				01-Mar-23	03-Mar-23
4	Training on Fundamentals of Biotechniques	3	3000	19-Jul-22	21-Jul-22
				14-Mar-23	16-Mar-23
5	Hands-on training on microbial culture techniques (TPC, Salmonella, Streptococcus, Staphylococcus & E-Coli)	5	6000	26-Sep-22	30-Sep-22
				23-Jan-23	27-Jan-23
6	Hands-on training on water quality testing (DO, pH, Alkalinity, Hardness, Salinity, TDS, CO2, Nitrite, Nitrate, Phosphate, Ammonia, H2S)	2	2000	19-Oct-22	20-Oct-22
				16-Nov-22	17-Nov-22
				14-Dec-22	15-Dec-22
				15-Feb-23	16-Feb-23
				08-Mar-23	09-Mar-23
7	Hands-on training for species Identification by sanger sequencing method.	3	7500	09-Nov-22	11-Nov-22
				28-Mar-23	30-Mar-23
8	Hands-on Training program on Principles and applications of HPLC	3	7500	19-Dec-22	21-Dec-22



Testing Cost for Various parameters
at
Aquatic Animal Health and Quality
Testing laboratory



National Fisheries Development Board

Department of Fisheries
Ministry of Fisheries, Animal Husbandry and Dairying
Government of India

JULY 2020

Testing Cost for various parameters at Aquatic Animal Health and Quality Testing laboratory, NFDB, Hyderabad

S.N O	PARAMET ER	Cos t	GST (18%) Amount	Cost including 18% GST
ANTIBIOTIC RESIDUE in Fish /Shrimp/Feed Additives				
1	Tetracyclines And Epimers	₹ 2,288.14	₹ 411.86	2700/-
2	Aflatoxins	₹ 2,711.86	₹ 488.14	3200/-
3	Sulphadiazene	₹ 1,271.19	₹ 228.81	1500/-
4	Oxalic Acid And Nalidic Acid	₹ 1,440.68	₹ 259.32	1700/-
5	Chemical Elements(Cd,Pb,Hg,As)	₹ 1,016.95	₹ 183.05	1200/-
Proximate Analysis of Fish/ Shrimp/Feed				
1	Moisture	₹ 105.93	₹ 19.07	125/-
2	Crude Fat	₹ 211.86	₹ 38.14	250/-
3	Crude Protein	₹ 296.61	₹ 53.39	350/-
4	Crude Fiber	₹ 211.86	₹ 38.14	250/-
5	Ash	₹ 84.75	₹ 15.25	100/-
6	Proximate Analysis Package (Moisture, Crude Fat, Crude Protein, Crude Fiber, Ash)	₹ 911.02	₹ 163.98	1075/-
WATER TESTING				
1	NORMAL WATER PARAMETERS (pH,Temparture,Salinity,turbity,Hardness ,Nitrate,Nitrite,Ammonia)	₹ 211.86	₹ 38.14	250/-
2	Alkalinity	₹ 42.37	₹ 7.63	50/-
3	pH	₹ 42.37	₹ 7.63	50/-
4	Total Hardness	₹ 42.37	₹ 7.63	50/-
5	Ammonia	₹ 42.37	₹ 7.63	50/-
6	Nitrate	₹ 42.37	₹ 7.63	50/-
7	Nitrite	₹ 42.37	₹ 7.63	50/-
MOLECULAR DIAGNOSTICS				
1	EHP(Qualitative PCR)	₹ 508.47	₹ 91.53	600/-
2	WSSV (PCR)	₹ 677.97	₹ 122.03	800/-
3	IHHNV (PCR)	₹ 677.97	₹ 122.03	800/-

4	Package (WSSV,IHHNV &EHP)PCR	₹ 1,525.42	₹ 274.58	1800/-
5	DNA BAR Coding	₹ 1,525.42	₹ 274.58	1800/-
6	DNA SEQUENCING (Ready to Run)	₹ 275.42	₹ 49.58	325/-
7	DNA SEQUENCING	₹ 508.47	₹ 91.53	600/-
8	Real Time Taq Man	₹ 1,271.19	₹ 228.81	1500/-
9	Real Time SYBR Green	₹ 872.88	₹ 157.12	1030/-
	Microbiology Testing			
1	Aerobic plate count	₹ 169.49	₹ 30.51	200/-
2	Anaerobic Plate count	₹ 338.98	₹ 61.02	400/-
3	Bacteriological count of fish/commercial	₹ 423.73	₹ 76.27	500/-
4	Detection of MRSA in seafood	₹ 720.34	₹ 129.66	850/-
5	Testing of presence of Salmonella in aqua-product and water	₹ 1,016.95	₹ 183.05	1200/-
6	Testing of presence of Vibrio cholerae in aqua-product and water	₹ 847.46	₹ 152.54	1000/-
7	Testing of presence of Listeria monocytogenes in aqua-product and water	₹ 677.97	₹ 122.03	800/-
8	Testing of presence Shigella by in aqua-product and water	₹ 677.97	₹ 122.03	800/-
9	Testing of presence Lactobacilli in aqua-product and water	₹ 677.97	₹ 122.03	800/-
10	Detection of Aeromonas culture method	₹ 677.97	₹ 122.03	800/-
11	Detection of Pseudomonas aeruginosa in aqua-product and water	₹ 677.97	₹ 122.03	800/-
12	Detection of Streptococcus in aqua-product and water	₹ 677.97	₹ 122.03	800/-
13	Detection of bacillus cereus in aqua-product and water	₹ 847.46	₹ 152.54	1000/-
14	Detection of Vibrio parahaemolyticus in aqua-product and water	₹ 677.97	₹ 122.03	800/-
15	Detection of Staphylococcus in aqua-product and water	₹ 847.46	₹ 152.54	1000/-
16	Detection of Escherichia coli in aqua-product and water	₹ 677.97	₹ 122.03	800/-
17	Detection of coliform bacteria in aqua-product and water	₹ 635.59	₹ 114.41	750/-

18	Microbiological testing of Caned/ pouch packed food product	₹ 1,144.07	₹ 205.93	1350/-
19	Bacteriological analysis of fish products excepting Salmonella, Viberio cholera/Viberio parahaemolyticus/ Listeria	₹ 2,372.88	₹ 427.12	2800/-
20	Detection enumeration of yeast and mold	₹ 720.34	₹ 129.66	850/-
21	Antibiotic susuptability test (Per Antibiotics)	₹ 211.86	₹ 38.14	250/-
22	Molecular identification of microorganism (DNA extraction and PCR) (Bacteria fungus yeast and molds)	₹ 1,059.32	₹ 190.68	1250/-
23	Bacteriological composition of Aqua- products/feed/ probiotics	₹ 3,813.56	₹ 686.44	4500/-
24	Identification of bacterial culture by biochemical test	₹ 1,271.19	₹ 228.81	1500/-
25	Identification and cauterization of microorganism (culture, microscopy and biochemical analysis)(Bacteria, fungus yeast and molds)	₹ 10,169.49	₹ 1,830.51	12000/-

FOR DETAILS CONTACT

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