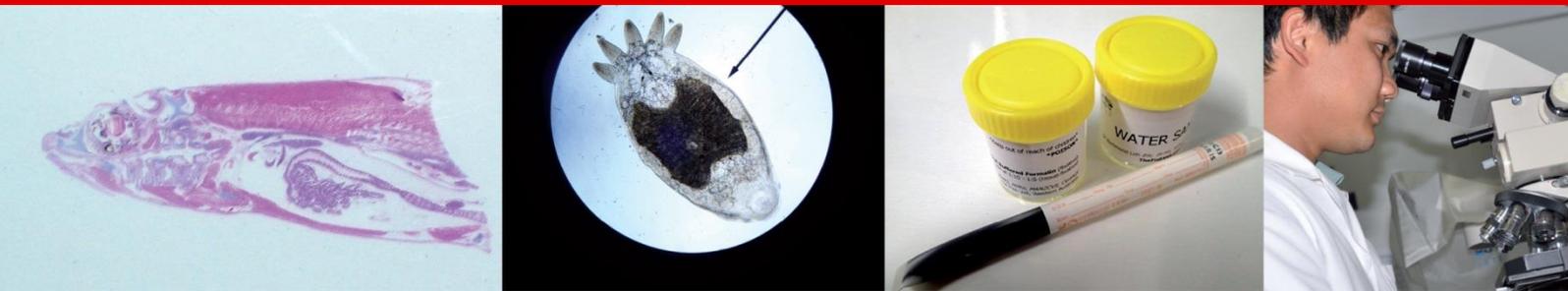




The Fish Vet

Services and Fees Manual – 2022/2023

Sydney + Melbourne + Canberra + Perth



The Fish Vet



BACKGROUND TO THE SCOPE OF WORKS

The Fish Vet offers a comprehensive aquatic veterinary services in a range of locations:

- Perth (Welshpool), Western Australia
- Melbourne (Brunswick), Victoria
- Sydney (Earlwood), New South Wales
- Canberra, ACT.

Overseas, we have representatives in London and Singapore.

The Fish Vet, a one-stop-shop: there is no duplication of work, and no loss of time or information between management and consultant.

Services offered through The Fish Vet include:

- Diagnosis and treatment for diseases
- Management advice
- Health certification
- Supply of veterinary resources
- Education and research

We service the following sectors:

- Pet ornamentals (e.g. home aquariums, pond, aquaponics)
- Display aquaria (e.g. public aquariums and zoos)
- Commercial ornamentals (e.g. ornamental fish farms, retailers, wholesalers, exporters)
- Education (e.g. universities, researchers, hobby groups)

NB: Results from testing for endemic diseases remain confidential to the submitter. If there is suspicion and/or confirmation of reportable disease, we are required (by law or regulatory policies) to notify appropriate authorities. TFV reserves the right to use the samples for its own research and testing. TFV reserves sole and absolute discretion to engage any third-party to provide any part(s) or all of the testing services.

By submitting to The Fish Vet, you acknowledge the terms and conditions as set out above. If you suspect a reportable disease, you must report it by calling the Emergency Disease Hotline 1800 675 888.





THE FISH VET'S TEAM

Dr Richmond Loh – Perth (WA)

BSc BVMS MPhil MANZCVS (Aquatics & Pathobiology) CertAqV FWA VMA



Dr Richmond Loh provides aquatic veterinary services including fish pathology testing to a range of clients including pet fish, display aquaria, retailers and researchers. He has been admitted to the Australian and New Zealand College of Veterinary Scientists by examinations in both the subjects of Pathobiology and Aquatic Animal Health, making him a qualified a veterinary pathologist and an aquatic veterinarian. He is a Certified Aquatic Veterinarian, is a Distinguished Fellow of the World Aquatic Veterinary Medical Association (WAVMA) and has been awarded the George Alexander International Fellowship by the International Specialised Skills Institute. He is a Past-President of the WAVMA, and is a Teaching Fellow at Murdoch University.

He has published practical manuals and instructional videos to help fellow veterinarians and fish owners, for the betterment of fish health and welfare globally:

- “Fish Vetting Essentials” (book)
- “Fish Vetting Medicines – Formulary of Fish Treatments” (book)
- YouTube Channel - <http://tinyurl.com/TheFishDoctor>

University-based qualifications:

- Master of Philosophy (Veterinary Pathology) - Murdoch University (2006).
- Bachelor of Veterinary Medicine & Surgery - Murdoch University (2001).
- Bachelor of Science - Murdoch University (1999).

Other qualifications:

- Distinguished Fellow the World Aquatic Veterinary Medical Association (2018).
- Certified Aquatic Veterinarian by the World Aquatic Veterinary Medical Association (2013).
- Awarded the George Alexander International Fellowship by the International Specialised Skills Institute (2012).
- Senior Adjunct Lecturer for Murdoch University, School of Veterinary Science (2017).
- Examined Member Australian & New Zealand College of Veterinary Scientists (Veterinary Pathobiology – 2009 & Aquatic Animal Health – 2006).
- Founding Member of the World Aquatic Veterinary Medical Association (2007).
- Diploma in Project Management – TAFE, Tasmania (2007).
- Certificate in Companion Animal Services – Aquatics, Level 3 – Nelson Marlborough Institute of Technology (2009).
- CMAVA (Chartered Member of the Australian Veterinary Association) (2006).





Dr Alistair Brown – Melbourne (Victoria)

BSc BVMS CertFHP MANZCVS (Aquatic Animal Health)

Dr Alistair Brown is an aquatic veterinarian and began his career in the aquatics field in 1991 when he began working for Marine Harvest Scotland (producers of Atlantic salmon). Since then, he has worked with a range of commercial species including Australian native fish, salmonids and abalone. Now as part of The Fish Vet's team, he provides veterinary services to pet fishes of all kinds.



University-based qualifications:

- Bachelor of Veterinary Medicine and Surgery - Murdoch University (1987)
- Bachelor of Science - Murdoch University (1985)

Other qualifications:

- Examined Member Australian and New Zealand College of Veterinary Scientists (Aquatic Animal Health) (1999)
- Certificate in Fish Health and Production (Royal College of Veterinary Surgeons) (1995)

Publications:

- Use of amoxicillin by injection in Atlantic salmon brood stock.
- Veterinary Record (1992) 131,237. A.G. Brown & A.N. Grant.
- Clinical efficacy of injectable amoxicillin against furunculosis in Atlantic salmon brood stock.
- Veterinary Record (1993) 133, 373. A.G. Brown & A.N. Grant.
- Plasma lipase concentration as an aid to the early detection of pancreas disease in farmed Atlantic salmon.
- Veterinary Record (1994) 135, 107-108. A.N. Grant, A.G. Brown & L.A. Laidler.
- Investigation into the use of potentiated sulphonamide in Atlantic salmon.
- Fish Veterinary Journal (1996) 1, 14–20. A.G. Brown.
- Rickettsia-like organism in farmed salmon.
- Veterinary Record (1996) 138, 423–424. A.N. Grant, A.G. Brown, D.I. Cox, T.H. Birkbeck & A.A. Griffen.
- Treatment of Trichodina infestations of the greenback flounder using freshwater.
- Bulletin of the European Association Fish Pathologists (1998) 18(6), 1-2. A.G. Brown & J. Markus.





Dr Karlee Hirakis – Sydney (NSW)

BVSc, CertAqV

Dr Karlee Hirakis is a certified aquatic veterinarian through the World Aquatic Veterinary Medical Association, offering mobile veterinary services for aquatic patients in Sydney.

A 2013 graduate from The University of Sydney, she has worked in rural mixed and small animal practice on the central coast of NSW and in Sydney.

Dr Hirakis has kept numerous different types of fish throughout her life and enjoys the challenges that come with practising veterinary medicine in a unique environment. At home, she is kept busy looking after her two Doberman dogs, a cat and seven fish tanks.



Dr Jelena Vukcevic – Canberra (ACT)

BVSc (Hons), CertAqV

Dr Jelena Vukcevic is a small animal and exotics veterinarian based in Canberra. She has held positions in small animal and exotics practices in Canberra. She has a keen interest in aquatic animal medicine and currently divides her time between working as a veterinarian at a university institution, a zoological institution and small animal/ exotic practice, where she manages and provides veterinary advice/ treatment to a variety of both aquatic and non-aquatic species in various settings.

Based in Duffy, Dr Vukcevic is available to service your aquarium, pond, facility or zoo.





Dr Lucie Nedved – Sydney (NSW)

BVSc (Hons) BScAgr (Hons) CertAqV



Dr Lucie Nedved is a veterinarian with a special interest in aquatic species. Her aquatic experiences include management of a large zebrafish facility in Sydney, including overseeing the veterinary care and breeding programs (including specialised experience in artificial breeding of zebrafish including in-vitro fertilization and sperm freezing). She has experience with other aquatic species including amphibians and reptiles.

She is a member of the Zebrafish Husbandry Association and regularly contributes to meetings involving aquatic species in the laboratory animal setting.

Dr Nedved lectures regularly at The University of Sydney, and at The University of NSW.

Her fish veterinary services extends from Sydney surrounds into the north to include Gosford area.

University-based qualifications:

- Bachelor of Veterinary Science (Honours) University of Sydney (2003).
- Bachelor of Science in Agriculture (Honours) University of Sydney (1998).

Publications:

- Drury, A and Nedved L. (2014) Comparing fin clipping and V.I.E tagging as forms of identification in a zebrafish facility, Presented at ANZLAA Conference.





Dr Giana Bastos Gomes – Singapore

BVM, MVM, PhD CertAqV

Dr Gomes studied veterinary medicine in Brazil where she graduated in 2003, and has a strong R&D background in aquaculture - her PhD involved developing new tools for early detection of ciliate parasites in farmed barramundi from tropical Australia, at James Cook University. Dr Gomes was the veterinarian responsible for the largest prawn hatchery in Brazil (Aquatec) for 2 years, and completed her Masters on prawn diseases caused by intracellular bacteria (NHPB). Dr Gomes worked for various renowned research institutions in Queensland including James Cook University, DEEDI-DPI QLD and Australian Institute of Marine Science (AIMS). Dr Gomes won the “2016 Science and Innovation Awards” and the “2016 Minister’s Award” which recognises the best emerging young talent in rural Australian industries. Dr Gomes has taken a position as Assistant Professor at City University in Hong Kong. Dr Gomes is the lead researcher for The Fish Vet’s team.



Contact -

https://www.cityu.edu.hk/ph/en/staff/Staff_Giana_Bastos_Gomes.html

University-based qualifications:

- Doctor of Philosophy – Aquaculture, James Cook University (2017).
- Master of Philosophy – Veterinary Science, Federal Rural de Pernambuco University, Brazil (2008).
- Bachelor of Veterinary Medicine - Federal Rural de Pernambuco University, Brazil (2003).

Publications:

- De Santis C, Gomes GB, Jerry, DR (2012) Abundance of myostatin gene transcripts and their correlation with muscle hypertrophy during the development of barramundi, *Lates calcarifer*. Comparative Biochemistry and Physiology- Part B. 163:101-107.
- Tziouveli V, Gomes GB, Bellwood O (2011) Functional morphology of mouthparts and digestive system during larval development of the cleaner shrimp *Lysmata amboinensis* (de Man, 1888). Journal of Morphology. 272(9):1080-9.
- Gomes GB, Domingos JA, Oliveira KKC, De Paula Mendes P, Arns Da Silva V, Mendes ES (2010) Diagnosis of Necrotizing Hepatopancreatitis in Pacific White Shrimp, *Litopenaeus vannamei*, through Wet Mount, Histopathology and PCR Techniques. Journal of the World Aquaculture Society. 41(5):816-822.
- Gomes GB, Domingos JA, Arns Da Silva V, Mendes ES, De Paula Mendes P (2011) Wet mount technique excellent for health shrimp monitoring, but not NHP diagnosis in <http://www.gaalliance.org/mag/2011/Nov-Dec/index.html>.





Dr Bryony Chetwyn-Glover – London (UK)

BVSc MRCVS CertAqV

Dr Bryony Chetwynd-Glover – director and lead vet of London Aquatic Veterinary Services joins The Fish Vet's team as our representative in London, England.

A Bristol veterinary graduate, has experience as a general veterinary practitioner. She realised that she wanted to specialise in fish medicine, and so has set herself up with a mobile fish veterinary practice.



Dr Bryony has always been captivated by the aquatic world and aside from owning pet fish for the majority of her life.

Some of her most notable experiences include a 6-week preceptorship programme at the National Aquarium of Baltimore, long term volunteer work at Bristol Aquarium and a 5-day intensive masterclass in fish health held in Perth, Australia by The Fish Vet.

Bryony is the secretary for the Fish Veterinary Society (FVS) and is an active member of the World Aquatic Veterinary Medical Association (WAVMA).

Visit our website (<http://thefishvet.co.uk>) which will direct you to Dr Bryony's site.





SERVICES AND RATES*

Services	Fee	Unit	Notes
Consultation - Private	\$228.00	per hour	
Consultation - Commercial	\$350.00	per hour	
Consultation - Commercial	\$1,800.00	per day	
Local travel	\$2.50	per km	
Interstate/overseas travel	POA		Costs of return airfares, airport transfers and accommodation are normally borne by the client. Payment needs to be received prior to work.
Health Certification	POA		
Prescription/medicines	POA		
Surgery/anaesthesia	POA		
Research	POA		
Audits	POA		
Training	POA		





Laboratory Testing	Fee	Unit	Notes
General			
Laboratory submission fee	\$20.00	per submission	
P&H	POA		courier fees passed to client
Priority Loading	\$90.00	per case	
External laboratory testing	POA		fees passed to client
Bacteriology			
Culture			Use Amies charcoal tpt swab
Freshwater finfish	\$120.00	per sample	
Marine finfish	\$125.00	per sample	
Crustacea/mollusc	\$135.00	per sample	
Smear bacterial examination			
Acid-fast	\$30.00	per slide	
Gram	\$30.00	per slide	
Anaerobic culture	\$135.00	per sample	
Antibiotic sensitivity	\$45.00	per isolate	
Total bacterial count (TBC expressed as colony forming units [CFUs])	\$85.00	per sample	
Total Vibrio count (when done with TBC).	POA		
Preservation of microbial isolates	POA	per isolate	

**Fees will vary for international work.
POA: Price on Application.*





Laboratory Testing (cont'd)	Fee	Unit	Notes
Pathology			
Cytology	\$58.00	per 1-3 slides	Air-dried prep
Histology - first slide			Collect into 10%NBF
First slide	\$139.00	per slide	
Additional slides (HE, Gram, ZN, Giemsa)	\$79.50	per slide	
Special histological stains (Luna, silver stains, etc.)	\$85.00	per slide	
Necropsy	POA	per hour	

Formalin-fixed materials may be received from overseas clients.

Use your official department's letterhead, stating that these specimens are derived from fish and have been fixed in 10% buffered formalin for at least 12-24h. The inspectors also like to see that the tissues are submerged in formalin, so do not carry fixed tissues dry.

They need to be packed according to IATA standard, tissues in leak proof screw cap plastic bottles, into double ziplock (use good quality sturdy ones) and place in a plastic container/ tupperware packed with absorbent materials.

Accompany it with printout showing DAWR website address stating that no permits are required for formalin fixed tissues, as not all inspectors maybe familiar.

<http://www.agriculture.gov.au/import/goods/biological/checklist/lab-materials>

"No import permit is required for tissues fixed in either:

2% glutaraldehyde, 70% alcohol, 10% formalin, 4% formaldehyde."

Please call ahead prior to collection and dispatch of samples. This will allow The Fish Vet to offer advice, and better plan and prioritise.

Label samples with your name, address, telephone number and identity of specimen.





To help us help you, please discuss cases prior to sampling & dispatch, and email us the postal/courier tracking ID:

Contact: Dr Richmond Loh
Phone: 0421 822 383 or
Email: thefishvet@gmail.com

Send samples by express to:

**Dr Richmond Loh
THE FISH VET
PO Box 5164
East Victoria Park
WA 6981,
Australia**

