



# AQUACULTURE

testing services





# AQUATIC ANIMAL HEALTH

Gribbles Veterinary is New Zealand's leading provider of veterinary diagnostic testing and pathology services, with laboratories strategically located the length of the country. We are committed to providing innovative laboratory services and delivering service excellence to New Zealand's animal health professionals.

We offer a comprehensive range of aquatic animal health testing services including:

## **MICROBIOLOGY**

- Aerobic culture
- Sensitivity testing
- Microscopy

## **HAEMATOLOGY**

- Complete blood counts
- Blood film examination
- Haemoglobin
- Haematocrit
- Plasma protein
- WBC count and differential

## **BIOCHEMISTRY**

- Salmon panels, including:  
Albumin, ALP, ALT, AST, calcium, chloride, cholesterol, CK, creatinine, GLDH, glucose, magnesium, phosphate, potassium, sodium, total bilirubin, total protein, urea, triglycerides

## **ENDOCRINOLOGY**

- Cortisol
- TSH

## **SEROLOGY**

- C-reactive protein
- Haptoglobin
- Prostaglandin

## **HISTOPATHOLOGY**

- Full histology
- Gill histopathology
- Tissue processing

## **MOLECULAR**

- Flavobacterium
- Lactococcus
- NZ-Rickettsia-like organisms
- Tenacibaculum
- Yersinia

## **NECROPSY**



**Gribbles**  
VETERINARY

# OUR EXPERTISE

Our network consists of five IANZ accredited laboratories located throughout New Zealand. With the largest team of veterinary pathologists, scientists and technical staff in the country, we provide an extraordinary range of experience and expertise across companion, production, equine, exotic, avian and aquatic pathology.

Throughout their extensive careers, many of our veterinary pathologists have developed special areas of interest and expertise. This allows us to offer clients a range of specialist pathology services including fish and aquatic, poultry and avian, wildlife and exotic, post-mortem and expert witness services.

## **Veterinary pathology services (NZS ISO/IEC 17025: 2018)**

All of our laboratories are accredited to NZS ISO/IEC17025: 2018. This provides assurance that all diagnostic testing is carried out to the highest standard, producing results that can be trusted.

## **Export Testing (RLP live animal and germplasm – Palmerston North)**

Gribbles Veterinary was New Zealand's first privately owned laboratory to be accredited to carry out serological and microbiological testing for live animal and germplasm export. We continue to be accredited under the Ministry for Primary Industries' Recognised Laboratory Programme.

## **GLP and Research Services (OECD GLP – Christchurch)**

Gribbles Veterinary delivers bespoke testing solutions to local and international researchers from industry and academia alike. We offer a comprehensive range of toxicologic pathology, clinical chemistry and immunology testing accredited for compliance with the OECD standards of Good Laboratory Practice.

## **MPI Recognised Laboratory Programme (RLP – Dunedin)**

Gribbles Scientific has accreditation to MPI RLP and IANZ for analytical testing of various animal, food and feed products.

## **Innovation focus areas:**

- Analytical chemistry and food microbiology for existing and new products
- Animal health testing
- Veterinary clinical trials: In the past year we have carried out testing for over 60 trials covering all scientific disciplines - aquaculture, animal surveillance, dairy, fertility, GLP clinical drug trials, milk culture and sensitivities, parasitology, trace element analysis and more.



# ANALYTICAL SERVICES

Gribbles Scientific's laboratory testing services provide the results you need to optimise your production process and get your product to market quickly and economically. Our team of experts can assist with all your food testing requirements. We provide accurate results, with fast turnaround times using state-of-the-art equipment and methodology.

We offer a comprehensive range of analytical chemistry and microbiology testing including:

## MICROBIOLOGY

- Aerobic plate counts (APC)
- *Bacillus cereus* count
- *Campylobacter* detection
- *Clostridium perfringens* count
- *Escherichia coli* - count or detection
- Enterobacteriaceae
- Exposure plates - APC, yeast and mould
- Faecal coliforms (FC)
- Hygiene swab - counts, total grade, coliform
- *Listeria* sp. detection
- *Salmonella* sp. detection
- *Shigella* sp.
- *Staphylococcus* sp.
- Total coliforms (TC)
- Water panel - TC, FC, *E. coli*, SPC

## CHEMISTRY

- Ash
- Calcium
- Carbohydrates
- Chloride
- Cholesterol
- Collagen
- Energy
- Fat - crude / total
- Fibre - crude / dietary
- Free fatty acid
- Glucose
- Gluten
- Heavy metals
- Histamine
- Iron
- Lead
- Lipids
- Magnesium
- Mercury
- Mineral profiles
- Moisture
- Nitrogen
- Nutritional information profiles
- Particle sizing
- Pepsin digestibility
- Peroxide
- Phosphorus
- Potassium
- Protein
- Salt
- Saturated fat
- Selenium
- Sodium
- TVBN
- Vitamins A, B<sub>12</sub>, E
- Zinc



**Gribbles**  
SCIENTIFIC

# ASIA PACIFIC HEALTHCARE GROUP

Gribbles Veterinary and Gribbles Scientific are part of the Asia Pacific Healthcare Group (APHG), the largest human and veterinary laboratory group in New Zealand, providing services to over 75% of the population in community and hospital settings.

We have a dedicated team of over 2,000 people across 25 IANZ accredited laboratories and 150 collection centres from as far north as Kerikeri to as far south as Invercargill.

Our laboratories have achieved the highest standards of accreditation in their respective fields; IANZ, RLP and GLP.

**We have the capability and experience to deliver you a commercial advantage.**

## SCOPE

over  
**500**

Tests and comprehensive diagnostic services across:

### Pathology

- Immunology
- Molecular
- Histology
- Cytology
- Biochemistry
- Haematology
- Microbiology

### Veterinary

- Pathology
- Toxicology
- Parasitology
- Elemental testing

### Analytical

- Food testing
- Environmental testing

## Nationwide unrivalled commercial service



Immigration testing



Clinical trials & studies



Non-invasive pre-natal testing



Insurance testing



Wellness testing



Sexual health testing



Drug testing

## SUSTAINABILITY



He Tangata Maori Health Initiative



**25**

IANZ accredited laboratories



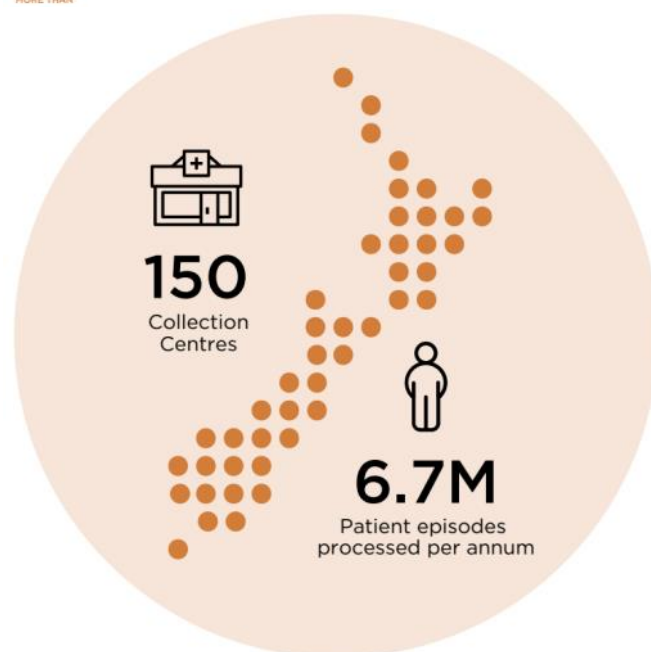
**70**

Specialist pathologists



**200**

Vehicle fleet



## SCALE





# OUR LOCATIONS

## **Auckland**

37-41 Carbine Road, Mt Wellington, Auckland

T: 09 5744 701

E: [Auckland.vetlab@gribbles.co.nz](mailto:Auckland.vetlab@gribbles.co.nz)

## **Hamilton**

5 Karewa Place, Pukete, Hamilton

T: 07 850 0777

E: [Hamilton.vetlab@gribbles.co.nz](mailto:Hamilton.vetlab@gribbles.co.nz)

## **Palmerston North**

840 Tremaine Ave, Palmerston North

T: 06 356 7100

E: [Palmerston.vetlab@gribbles.co.nz](mailto:Palmerston.vetlab@gribbles.co.nz)

## **Christchurch**

7 Halkett Street, Christchurch

T: 03 379 9484

E: [Christchurch.vetlab@gribbles.co.nz](mailto:Christchurch.vetlab@gribbles.co.nz)

## **Dunedin**

Invermay Research Centre (Block A), Puddle Alley, Mosgiel, Dunedin

T: 03 489 4600

E: [Dunedin.vetlab@gribbles.co.nz](mailto:Dunedin.vetlab@gribbles.co.nz)  
[sales@gribblesscientific.co.nz](mailto:sales@gribblesscientific.co.nz)

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