

Laboratory Accreditation Programmes

Schedule to
CERTIFICATE OF ACCREDITATION**Microbiology**

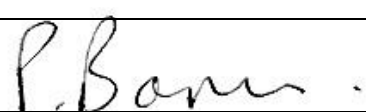
Ms Victoria Fitiao 1.02 (f)

General Microbiology

Ms Victoria Fitiao 1.11, 1.12, 1.71

Miss Antoinette McIntosh 1.11, 1.12, 1.71

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Schedule to
CERTIFICATE OF ACCREDITATION

Gribbles Dunedin (LABNET)
 Biological Testing Laboratory
SCOPE OF ACCREDITATION

Accreditation Number 391

Biochemistry

1.02 Diagnostic Tests, Veterinary

(a) Biochemistry

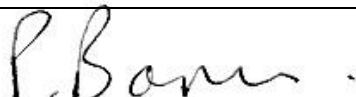
The following tests in accordance with the Roche/COBAS Manufacturer's method:

- Alanine Aminotransferase (ALT)
- Albumin
- Alkaline Phosphatase
- Amylase
- Aspartate Aminotransferase (AST)
- Bicarbonate
- Bilirubin
- Calcium
- Chloride
- Cholesterol
- Creatine Kinase (CK)
- Creatinine
- Gamma Glutamyl Transferase (GGT)
- Glucose
- Glutamate dehydrogenase (GLDH)
- Lipase
- Magnesium
- Phosphate
- Potassium
- Sodium
- Total protein
- Urea

The following tests in accordance with the methods indicated:

- | | |
|------------------------|---|
| β-hydroxybutyrate | Clinical Chem. (1984) 30.3 |
| Copper | AOAC (On-line Edition) 968.08 & 983.24 |
| Ferroxidase | Tietz (1976) Fundamentals of Clinical Chemistry 2 nd Edition |
| Glutathione peroxidase | RES-Vet-Sci (1980) 28, 321 - 324 |
| Selenium | JAOAC 1988 (vol. 7) |
| Vitamin B12 | British Journal of Haematology (22:507) 1974 |
| Zinc | AOAC (On-line Edition) 968.08 & 991.11 |

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Lead (blood) Perkin Elmer Notice 2011

Haematology

1.02 Diagnostic Tests, Veterinary

(b) Haematology

Routine analysis of canine, feline, ovine, cervine, equine, bovine, caprine, porcine and zoo/exotic blood and plasma for:

Complete blood count using Celldyne 3700 cell counter:

- Haematocrit (HCT)
- Haemoglobin
- Mean Cell Haemoglobin (MCH)
- Mean Cell Haemoglobin Concentration (MCHC)
- Mean Cell Volume (MCV)
- Platelets
- Red cell count
- White cell count

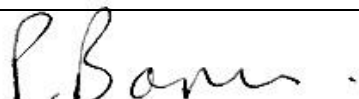
The following haematology tests by the methods indicated:

- | | |
|-------------------------|-------------------------|
| Blood film staining | Leishman's stain |
| Heinz bodies | Methylene blue method |
| Packed cell volume | Microhaematocrit method |
| Parasite identification | Microscopy |
| Reticulocyte count | Methylene blue method |

Differential cell count using methods as indicated:

- | | |
|-------------------------|----------------------------------|
| Platelet morphology | Microscopy with Leishman's stain |
| Red cell morphology | Microscopy with Leishman's stain |
| White cell differential | Microscopy with Leishman's stain |
| White cell morphology | Microscopy with Leishman's stain |

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Microbiology

1.02 Diagnostic Tests, Veterinary

(f) Microbiology

Conducting the following staining technique:

Bacterial Gram

Cultures for the following enteric pathogens:

Campylobacter
 Salmonella
 Yersinia

Antibiotic sensitivity testing (Kirby-Bauer method)

Routine aerobic and anaerobic cultures; unknown pathogens with identification of organisms by biochemical testing

General Microbiology

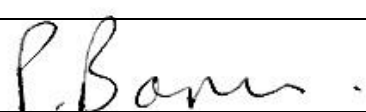
1.11 Foods

- (a) Cereals and cereal products**
- (c) Nuts, fruits, vegetables and derived products**
- (d) Sauces, herbs, spices and condiments**
- (e) Sugar and sugar confectionery**
- (g) Meat, poultry and derived products**
- (h) Fish and fish products**
- (i) Eggs and egg products**

APHA Compendium of Methods for the Microbiological Examination of Foods (5th Edition) unless where otherwise stated

Aerobic plate count	APHA 8
<i>Bacillus cereus</i>	APHA 31
Campylobacter	FDA BAM Chapter 7
<i>Clostridium perfringens</i>	APHA 33
Coagulase positive Staphylococcus	APHA 39
Coliform - MPN	APHA 9
<i>E.coli</i> – MPN	APHA 9
<i>E.coli</i> / Coliforms (Petrifilm)	APHA 9.935

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Enterobacteriaceae	APHA 9
Faecal Coliforms - MPN	APHA 9
Listeria	3M MDS Listeria V2 (AOAC 2016.07)
Salmonella	3M MDS
Salmonella	MIMM 7.7 (g) only (culture method)
Salmonella	FDA BAM Chapter 5
Shigella	APHA 37
Yeasts and moulds	APHA 21

(h) Fish and fish products

Salmonella	FDA BAM Chapter 5
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1.12 Waters

(a) Potable waters

<i>E.coli</i>	MIMM 11.A2
Faecal Coliforms	MIMM 11.A2
Total Aerobic Plate Count	MIMM 11.6.2
Total Coliforms	MIMM 11.A2

1.71 Biological Condition

(a) Air

Aerobic plate count	APHA 3
Yeasts and mould	APHA 3

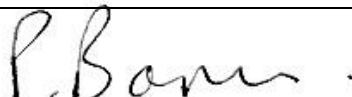
(b) Plant hygiene evaluation

Coliforms	In-house method
Enterobacteriaceae	APHA 9
Listeria	3M MDS
Listeria	3M MDS Listeria V2 (AOAC 2016.07)
Salmonella	FDA BAM Ch 5
Salmonella	3M MDS
Total count	In-house method (FMI-TPM-029)

References:

APHA Comp APHA Compendium of Methods for the Microbiological Examination of Foods (5th Edition)
 FDA BAM United States Food and Drug Administration Bacteriological Analytical Manual (8th Edition)

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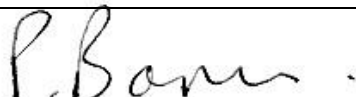
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MIMM and Online
Meat Industry Microbiological Methods (5th Edition)

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