



Consolidated List of Tests for Animal Products: meat, poultry, honey, seafood, dairy, live animals and germplasm

This list of tests provides the detail on what regulatory test(s) a laboratory may need to perform to be recognized by MPI for undertaking specific tests for live animals, on animal material or animal products, or on materials associated with the processing of animal material or animal products.

This list of tests would be useful for the general public, and for premises, certifiers, verifiers, and laboratories associated with the processing of animal material or animal products.

Disclaimer

This list of tests is not an exhaustive list of all tests for all animal material or animal products. Anyone seeking to confirm a test should always check the relevant OMAR or specifications.

This list of tests may change from time to time.

While every effort has been made to ensure that the information in the consolidated list is accurate, the Ministry for Primary Industries does not accept any responsibility or liability for any omission or error that may be present, nor for the consequences of any decisions based on this list of tests.

Composite Sampling: Composite sampling for tests must:

- (a) only be used to determine presence or absence of particular pathogens (not enumeration); and
- (b) not be used for subsampling.

For new regulatory tests that may not appear in this document contact the MPI Recognised Laboratory Programme email:

- RLP@mpi.govt.nz

Note: for dairy tests please refer to the dairy tests as determined by the Risk Management Programme (RMP) and Overseas Market Access Requirements (OMARs).

To see the requirements for laboratories that have been, or are wanting to become recognised, to perform tests associated with live animals, animal material or animal products, or the processing of animal material or animal products, please refer to the current: Animal Products Specifications for Laboratories Notice.

<http://www.foodsafety.govt.nz/elibrary/industry/20150618-specification-for-laboratories-final.pdf>



Numerical Reference	Test	Animal Materials and Products and Associated Things	Method	Markets
1.0 MEAT & POULTRY INDUSTRY POTABLE WATER MICROBIOLOGY				
1.1.1	Total coliforms (coliform bacteria), <i>Escherichia coli</i>	Potable water	MIMM 11.A1.1 rapid MIMM 11.A2 with 11.A2.6 MIMM 11.3/11.4 with 11.5	EU, US
1.2	Faecal coliforms	Potable water, HC Specs	MIMM 11.4 mFC MF MIMM 11.A2 MPN	all
1.3	SPC 22°C/72 hour	Potable water	MIMM 11.6 SPC	all
1.5.1	<i>Enterococcus</i>	Potable water	MIMM 11.7, 11.9	EU, US
1.6.1	<i>Clostridium perfringens</i> (including spores)	Potable water	MIMM Membrane filter method for <i>Clostridium perfringens</i> 11.A3	EU, US
1.8	<i>Escherichia coli</i>	Potable water, HC Specs	MIMM 11.A1.1 rapid APHA	all
2.0 MEAT & MEAT PRODUCT, POULTRY & HONEY MICROBIOLOGY/PARASITOLOGY				
2.1.1	APC	Minced meat and mechanically separated meat	MIMM 6, APC or NMD 4.7	EU, French Polynesia
2.1.2	APC spread plate	Bovine, bobby calf, caprine, cervine, ostrich and emu, ovine, and pigs	NMD 3 sampling & NMD 4.7.2 Must follow all NMD requirements	all
2.1.3	APC Petrifilm	Bovine, bobby calf, caprine, cervine, ostrich and emu, ovine, and pigs	NMD 3 sampling & NMD 4.7.3 Must follow all NMD requirements	all
2.1.4	APC spiral plater	Bovine, bobby calf, caprine, cervine, ostrich and emu, ovine, and pigs	NMD 3 sampling & NMD 4.7.4 Must follow all NMD requirements	all
2.1.5	APC	Packed edible tripe products	OMAR 09/35, must follow all sampling requirements	China
2.1.6	TBC or APC	Fish meal (TBC)	Colony forming unit/gram method	China
		Pet food (APC)	As per ISO 17025 accreditation	India
2.2.1	<i>Escherichia coli</i> , direct plate or Petrifilm	Minced meat, meat preparations and mechanically separated meat	MIMM 8.4, or NMD 4.8 – must state which method is being used	EU, South Africa, French Polynesia

Note 'all' in column five 'Market' means where testing is a generic New Zealand requirement



Numerical Reference	Test	Animal Materials and Products and Associated Things	Method	Markets
2.2.2	<i>Escherichia coli</i> , Petrifilm	Bovine, bobby calf, caprine, cervine, ostrich and emu, and pigs	NMD 3 sampling & NMD 4.8 Must follow all NMD requirements	<i>all</i>
2.3	<i>Staphylococcus aureus</i>	Minced meat, meat preparations and mechanically separated meat	MIMM 7.8	<i>South Africa, French Polynesia</i>
2.4.1	<i>Salmonella</i>	Minced meat, meat preparations and mechanically separated meat, ready to eat products containing raw egg, meat products intended to be eaten raw	MIMM 7.7 with method verified for defined matrix e.g. gelatine and collagen Molecular microbiological methods in the laboratory scope of ISO 17025 accreditation for the matrix concerned	<i>EU, US, French Polynesia, South Africa, USA</i>
		Blood products for use in feed		<i>EU, Fiji</i>
		Rendered meals		<i>Indonesia, Philippines</i>
		Rendered fats and fish oils not for human food		<i>EU</i>
		Processed pet food and flavouring innards		<i>EU</i>
		Processed animal proteins for feeding stuffs, pet food		<i>EU, Fiji, India</i>
		Gelatine and collagen for human food, shelf life		<i>EU</i>
		Gelatine and collagen not for human food		<i>EU</i>
		Hydrolysed protein, di-calcium phosphate, tri-calcium phosphate not for human food		<i>EU</i>
		Egg products not for human food		<i>EU</i>
		Dried dietary foods for special medicinal purposes for infants below 6 months of age – excluding infant formula		<i>EU</i>
		Fish meal and fish oil	Presence/absence method suitable to matrix	<i>China</i>
2.4.2	<i>Salmonella</i>	Beef, veal and pig meat	Sampling plans and methods prescribed in the EU OMAR must be complied with. ISO 6579:2002(E) or MIMM 7.7 with additional MKTTn broth in parallel as per ISO 6579:2002(E) using XLD and BGM plating media	<i>Sweden, Finland or to countries with same requirements e.g. Iceland</i>

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Numerical Reference	Test	Animal Materials and Products and Associated Things	Method	Markets
2.4.3	<i>Salmonella</i>	Bovine, bobby calf, caprine, cervine, ostrich and emu, and poultry	(1) NMD 3 sampling & NMD 4.9 (2) Must follow all NMD requirements	<i>all</i>
		Raw ground beef and raw ground beef products		<i>US</i>
		Turkeys		<i>EU</i>
2.5	<i>Shigella</i>	Fish meal	Presence/absence method	<i>China</i>
2.6	<i>Listeria monocytogenes</i>	Cooked, ready to eat meat products and environmental samples.	(1) MIMM 7.5 (2) Molecular microbiological methods in the laboratory scope of ISO 17025 accreditation for the matrix concerned	<i>EU, US</i>
		Ready to eat foods including ready to eat foods for infants and special medicinal purposes – excluding infant formula. Environmental samples		<i>EU</i>
		Gelatine and collagen for human food		<i>EU</i>
2.8	<i>Clostridium perfringens</i>	Rendered fats and fish oils not for human food	MIMM 7.10 Sulphite reducing anaerobes	<i>EU</i>
		Processed animal proteins for feeding stuffs, pet food		<i>EU, India</i>
2.8.1	<i>Clostridium perfringens</i>	Pet food	ISO 7937:2004 See also MIMM 7.10.3 re limits of detection	<i>Customs Union</i>

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Numeric al Referen ce	Test	Animal Materials and Products and Associated Things	Method	Markets
2.9	Enterobacteriaceae	Blood products for use in feed	MIMM 8.2 with method verified for defined matrix e.g. rendered fats and fish oils	EU
		Rendered fats and fish oils not for human food		
		Processed pet food or flavoured innards		
		Processed animal proteins for feeding stuffs		
		Gelatine and collagen not for human food		
		Hydrolysed protein, di-calcium phosphate, tri-calcium phosphate not for human food		
		Egg products not for human food		
		Dried infant formula processing areas and equipment		
		Fish meal	MPN method compatible with limit of ≤300 MPN/g	China
2.9.1	<i>Cronobacter</i> species including <i>Cronobacter</i> <i>sakazakii</i>	Dried dietary foods for special medicinal purposes for infants below 6 months of age - excluding infant formula	FDA BAM current edition ' <i>Cronobacter</i> ' http://www.fda.gov/food/foodscienceresearch/laboratorymethods/ucm289378.htm a molecular biological method or ISO/TS 22964:2206 (IDF/RM 210:2006) confirmed 2013 or later edition. Method chosen must be verified	EU
2.10	Faecal coliforms	Muslin/vegetable fibre used as wrapping materials	MIMM 8.5	all
2.10.1	Total coliforms	Fish oil	MPN method compatible with limit of ≤ 300 MPN/g	China
2.11	<i>Bacillus anthracis</i>	Inedible meals or other products as defined by MPI	OIE Manual of Diagnostic Tests and Vaccines for Terrestrial Animals current edition http://www.oie.int/en/international-standard-setting/terrestrial-manual/access-online	
2.12	<i>Trichinella</i> spp.	Meat and meat products conforming to label requirements or standards	Method as per EU OMAR	EU, Customs Union, Singapore, South Africa

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Numerical Reference	Test	Animal Materials and Products and Associate Things	Method	Markets
2.13	Bovine Viral Diarrhoea (BVD) analysis	Bovine serum	Method as per ISO 17025 accreditation	India
2.14	American Foul Brood	Honey	Method as per ISO 17025 accreditation	Customs Union
22.1	<i>Campylobacter</i>	Poultry broiler carcasses	NMD 3 sampling & NMD 4.10	all
		Turkeys	Must follow all NMD requirements	EU
23.1	<i>Escherichia coli</i> O157:H7	Bulk manufacturing beef and bobby veal	US OMAR	US
		Raw ground beef and raw ground beef products		
23.1.1	Primary <i>Escherichia coli</i> O157:H7 culture isolation using IMS	Bulk manufacturing beef and bobby veal.	US OMAR	US
		Raw ground beef and raw ground beef products		
23.2	Non-O157 Shiga Toxin-producing <i>Escherichia coli</i>	Bulk manufacturing beef and bobby veal	US OMAR	US
23.3	Top 7 Shiga Toxin-producing <i>Escherichia coli</i>	Bulk manufacturing beef and bobby veal	US OMAR	US
3.0 MEAT – CHEMISTRY				
Recognition for proximate analysis requires that all Ash, Fat, Moisture and Protein tests are conducted.				
3.1.1	Proximate analysis - Ash	Processed meat products	AOAC current edition 920.153 (39.1.09)	EU
3.1.2	Proximate analysis - Fat	Processed meat products	AOAC current edition 960.39 (39.1.05). 991.36 (39.1.08)	
3.1.3	Proximate analysis - Moisture	Processed meat products	AOAC current edition 950.46B (39.1.02)	
3.1.4	Proximate analysis - Protein	Processed meat products	AOAC current edition 928.08 Alternative I & II. 981.10 (39.1.19)	
Meat and meat products when being tested for ash need to be either: (1) dried overnight at 101°C and then added to a cool furnace and heated to 550°C; or (2) placed in a muffle which is temperature ramped. Meat and bone meal need to be added to a cooled furnace or pre-heated furnace and heated to 550°C or 600°C.				
4.0 TALLOW AND FATS				
Tallow analysis				
4.01	Insoluble impurities	Rendered fats from ruminant materials and rendered fats for human food	(1) AOAC current edition Ca 3a – 46. (2) MIRINZ 831	EU US

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Numeric al Referen ce	Test	Animal Materials and Products and Associated Things	Method	Markets
4.02	FFA (m/m % oleic acid)	Rendered fats for human food	(1) AOAC 1989 Ca 5a-40 current edition. (2) MIRINZ 831	EU
4.03	Peroxide	Rendered fats for human food	(1) AOCS 1989 (latest edition 2003) current edition Cd 8-53. (2) AOCS current edition Cd 8b-90. (3) MIRINZ 831	EU
4.04	Moisture	Rendered fats for human food	(1) AOAC Ca 2a-45 (Dean and Stark method) current edition. (2) AOAC Ca 2b-38 (Hot Plate Method) current edition. (3) AOAC Ca 2c-25 air oven method @ 130°C current edition. (4) AOAC Ca 2d-25 Vacuum oven method current edition. (5) MIRINZ 831	EU
5.0 POTABLE WATER - PHYSICO-CHEMICAL PARAMETERS				
All markets: Surveillance of potable water in meat and game export premises. EU OMAR and US OMAR check monitoring and audit monitoring parameters are indicated in column three.				
5.01	Colour	Potable water, check monitoring	APHA latest edition or latest on-line edition, or as per scope of accreditation	EU, US
5.02	Conductivity	Potable water, check monitoring at 25°C		
5.03	pH (hydrogen ion concentration)	Potable water, check monitoring		
5.04	Turbidity	Potable water, check monitoring		
5.10	Ammoniacal nitrogen (ammonium)	Potable water, check monitoring		
5.11	Chloride	Potable water, check monitoring		
5.12	Fluoride	Potable water, check monitoring		
5.13	Nitrate	Potable water, check monitoring		
5.14	Nitrite	Potable water, check/audit monitoring		
5.16	Sulphate	Potable water, check monitoring		
5.17	Aluminium	Potable water, check/audit monitoring		
5.18	Arsenic	Potable water, audit monitoring		
5.19	Boron	Potable water, audit monitoring		

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Numeric al Referen ce	Test	Animal Materials and Products and Associated Things	Method	Markets
5.20	Cadmium	Potable water, audit monitoring		
5.22	Chromium	Potable water, audit monitoring		
5.23	Copper	Potable water, audit monitoring		
5.24	Cyanide	Potable water, audit monitoring		
5.25	Iron	Potable water, check/audit monitoring		
5.26	Lead	Potable water, audit monitoring		
5.28	Manganese	Potable water, audit monitoring		
5.29	Mercury	Potable water, audit monitoring		
5.31	Sodium	Potable water, audit monitoring		
5.32	Selenium	Potable water, audit monitoring		
5.34	Chlorinated alkanes	Potable water, audit monitoring		
5.35	Polynuclear aromatic hydrocarbons (PAH)	Potable water, audit monitoring		
5.36 Pesticides:				
5.36.1	acid herbicides:	Potable water	APHA latest edition or latest on-line edition, or as per scope of accreditation	EU, US
	2,4,5-T	Audit monitoring of some of the pesticide parameters		
	2,4-D			
	2,4-DB			
	Bentazone			
	Dichlorprop			
	Fenoprop			
	MCPA			
	Mecoprop			
	Pentachlorophenol			
	Picloram			
	Triclopyr			
	chlortoluron, diuron, thiabendazole			
5.36.3	Semi Volatile Organic Compounds (SVOC):	Potable water Audit monitoring includes benzo(a)pyrene and some pesticide parameters	APHA latest edition or latest on-line edition, or as per scope of accreditation	EU, US
	Benzo(a)pyrene			
	Alachlor			
	Aldrin + dieldrin			

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Numeric al Referen ce	Test	Animal Materials and Products and Associated Things	Method	Markets
	Atrazine			
	Azinphos methyl			
	Bromacil			
	Carbofuran			
	Chlordane			
	Chlorpyrifos			
	Cyanazine			
	DDT + isomers			
	Diazinon			
	Dimethoate			
	Endrin			
	Heptachlor and heptachlor epoxide			
	Hexachlorobenzene			
	Hexazinone			
	Lindane			
	Metalaxyl			
	Methoxychlor			
	Metolachlor			
	Metribuzin			
	Oryzalin			
	Oxadiazon			
	Pendimethalin			
	Permethrin			
	Pirimiphos methyl			
	Procymidone			
	Simazine			
	Terbutylazine			
	Trifluralin			
5.36.4	1080	Potable water, audit monitoring	APHA latest edition or latest on-line edition, or as per scope of accreditation	EU, US
5.36.5	Diquat	Potable water, audit monitoring		EU, US
5.39	Volatile Organic Compounds (VOC):	Potable water Audit monitoring includes some pesticide parameters	APHA latest edition or latest on-line edition, or as per scope of accreditation	EU, US
	Benzene			
	1,2-dichloroethane			

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Numeric al Referen ce	Test	Animal Materials and Products and Associated Things	Method	Markets
	Tetrachloroethane and trichloroethane			
	Vinyl chloride			
	Epichlorohydrin			
	1,2-dibromo-3- chloropropane			
	1,2-dibromoethane			
	1,2-dichloropropane			
	1,3- dichloropropene, cis			
	1,3-dichloropropene, trans			
5.40	Trihalomethanes	Potable water, audit monitoring		
5.41	Oxidisability	Potable water, audit monitoring		
5.42	Total Organic Carbon (TOC)	Potable water, audit monitoring		
5.43	Acrylamide	Potable water, audit monitoring		
5.44	Antimony	Potable water, audit monitoring		
5.45	Bromate	Potable water, audit monitoring		
5.46	Nickel	Potable water, audit monitoring		
6.0 ANIMAL PRODUCTS IN GENERAL - COMPOSITION (includes vitamins, minerals and other nutrients)				
6.01	Vitamin A, retinol	Meat and meat products conforming to label requirements or standards of composition	Official Methods of Analysis of the Association of Official Analytical Chemists, most recent edition	EU, US
6.02	Vitamin B1, thiamine			
6.03	Vitamin B2, riboflavin			
6.04	Vitamin B3, niacin or nicotinic acid			
6.05	Vitamin B5, pantothenic acid			
6.06	Vitamin B6, pyridoxin			
6.07	Folic acid or folate (a B vitamin)			
6.08	Biotin (a B complex vitamin)			
6.09	Vitamin B12, cyanocobalamin or hydroxocobalamin			
6.10	Vitamin C, ascorbic acid			
6.11	Vitamin D3, cholecalciferol			

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Numeric al Referen ce	Test	Animal Materials and Products and Associated Things	Method	Markets
6.12	Vitamin E, D1- alphatocopherol			
6.13	Vitamin K, menaquinone			
6.14	Calcium, mineral			
6.15	Chloride or chlorine, mineral			
6.16	Copper, mineral			
6.17	Fluoride or fluorine, mineral			
6.18	Iodide or iodine, mineral			
6.19	Iron, mineral			
6.20	Magnesium, mineral			
6.21	Manganese, mineral			
6.22	Phosphorus, mineral			
6.23	Potassium, mineral			
6.24	Sodium, mineral			
6.25	Zinc, mineral			
6.26	Choline, amino acid			
6.27	Taurine, amino acid			
6.28	Cholesterol			
6.29	Dietary fibre, total and insoluble			
6.30	Fatty acid profile			
6.31	pH			
6.32	Sulphated ash			
6.33	Total sugar			
7.0 ANIMAL PRODUCTS IN GENERAL – FOOD ADDITIVES and INGREDIENTS				
7.01	Benzoic acid or benzoates	Meat and meat products conforming to label requirements or standards of composition	Official Methods of Analysis of the Association of Official Analytical Chemists, most recent edition	EU, US
7.02	Sorbic acid or sorbates			
7.03	Nitrate			
7.04	Nitrite			
7.05	Salt NaCl			
7.06	Sucrose			
7.07	Reducing sugars			

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Numeric al Reference	Test	Animal Materials and Products and Associated Things	Method	Markets
7.08	Invert sugar			
7.09	Sugar profile			
7.10	Sulphur dioxide or sulphites			
8.0 ANIMAL PRODUCTS - CHEMICAL RESIDUE TESTING (NRCP & NCCP)				
Method: relevant to current Animal Products Residue Programme and OMAR requirements. Owing to special requirements of the residue programme, laboratories that hold accreditation under IANZ chemical programme 2.70 class of test may use this for the purposes of the residue programme. Such reports must be signed by 2.70 KTPs for that technique.				
Product: applied to animal products, including dairy, as defined under the Animal Products Act 1999 conforming to standards.				
Application: all markets; with defined testing of specified material.				
Note: the specified material 'Fish' may include fish meal and/or fish oil.				
8.1	Stilbenes plus steroids and resorcylic acid lactones	Mammals, birds, fish, honey & dairy	Antibacterial compounds	all
8.4	Aminoglycosides	Mammals, birds, fish, honey & dairy	Antibacterial compounds	all
8.5	Beta-lactams	Mammals, birds, fish, honey & dairy	Antibacterial compounds	all
8.6	Cephalosporins	Mammals, birds, fish, honey & dairy	Antibacterial compounds	all
8.7	Tetracyclines	Mammals, birds, fish, honey & dairy	Antibacterial compounds	all
8.8	Amphenicols	Mammals, birds, fish, honey & dairy	Antibacterial compounds	all
8.9	Macrolides	Mammals, birds, fish, honey & dairy	Antibacterial compounds	all
8.9.1	Virginiamycin	Mammals	Antibacterial compounds	all
8.10	Sulphonamides	Mammals, birds, fish, honey & dairy	Antibacterial compounds	all
8.11	Nitroimidazoles	Mammals, birds, fish, honey & dairy	Antibacterial compounds	all
8.12	Carbadox	Mammals	Anticoccidials	all
8.13	Benzamidazoles	Mammals, birds, fish & dairy	Anthelmintics	all
8.13.1	Montepantel	Mammals, birds, fish & dairy	Anthelmintics	all
8.14	Imidazothiazoles eg levamisol	Mammals, birds, fish & dairy	Anthelmintics	all
8.15	Polyether coccidiostats	Mammals, birds, fish, honey & dairy	Anticoccidials	all
8.15.1	Toltrazuril	Mammals and birds	Anticoccidials	all
8.16	Milbemycin group	Mammals, birds, fish, honey & dairy	Anthelmintics	all
8.17	Synthetic pyrethroids and carbamate pesticides	Mammals, birds, fish, honey & dairy	Pesticides	all
8.18	Organophosphates	Mammals, birds, fish, honey & dairy	Pesticides	all

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8.19	Beta-Agonists	Mammals, birds, fish & dairy		<i>all</i>
8.20	Heavy Metals	Mammals, birds, fish, honey & dairy		<i>all</i>
8.21	Organochlorines	Mammals, birds, fish, honey & dairy	Pesticides	<i>all</i>
8.22	Species identity and verification	Mammals, birds, fish, honey & dairy		<i>all</i>
8.23	Fluoroacetate/1080	Mammals, birds, fish, honey & dairy		<i>all</i>
8.25	Nitrofurans: furazolidone, furaltidone, nitrofurazone, nitrofurantoin, semicarbazide (SEM), aminooxizolidione (AOZ), aminomorpholino- oxizolidone (AMOX), aminohydantoin (AH)	Mammals, birds, fish, honey & dairy	Antibacterial compounds	<i>all</i>
8.26	Anticoagulants	Mammals, birds, fish, honey & dairy		<i>all</i>
8.27	Dioxins, coplanar PCBs, and polybromodiphenyl ethers (PBrDPE) and PAHs	Mammals, birds, fish, honey & dairy		<i>all</i>
8.28	Quinolone antibiotics	Mammals, birds, fish, honey & dairy	Antibacterial compounds	<i>all</i>
8.29	Non-steroidal anti- inflammatory substances (NSAIDS) e.g. phenyl butazone	Mammals, birds, fish & dairy		<i>all</i>
8.30	Amprolium	Mammals and birds	Anticoccidials	<i>all</i>
8.31	Hormonal growth promotants	Mammals		<i>all</i>
8.32	Thyrostatic agents	Mammals, birds and fish		<i>all</i>
8.33	Prostagentic substances	Mammals, birds and fish		<i>all</i>
8.34	Corticosteroids	Mammals, birds, fish & dairy		<i>all</i>
8.35	Halofuginone	Mammals and birds	Anticoccidials	<i>all</i>
8.36	Robenidene	Mammals, birds and fish	Anticoccidials	<i>all</i>
8.37	Malachite green and triphenyl methane dyes including gentian violet	Fish		<i>all</i>
8.38	Chlorpromazine	Mammals, birds and fish		<i>all</i>

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Numeric al Refer ence	Test	Animal Materials and Products and Associated Things	Method	Markets
8.39	Nicarbazin	Birds	Anticoccidials	<i>all</i>
8.40	Paradichlorobenzene (PDB)	Honey	Pesticides	<i>all</i>
8.41	Salicylanilides	Mammals, birds	Anthelmintics	<i>all</i>
8.42	Tutin	Honey		<i>all</i>
8.43	Melamine, dicyandiamide (DCD), cryomazine, dicyclanil and cyanuric acid	Mammals, fish, & dairy		<i>all</i>
8.44	Lignocaine and Xylazine	Mammals and dairy	Sedative	<i>all</i>
8.45	Isoeugenol	Fish	Sedative	<i>all</i>
8.46	Fungicides	Mammals, birds, fish, honey & dairy	Fungicides	<i>all</i>
8.47	Herbicides	Mammals, birds, fish, honey & dairy	Herbicides	<i>all</i>
8.47.1	Glyphosate	Mammals, birds, fish, honey & dairy		<i>all</i>
8.48	Mycotoxins (fungal toxins)	Mammals, birds, fish, honey & dairy		<i>all</i>
8.49	Neonicotinoids	Honey		<i>all</i>
8.50	Pyrrolidiazine alkaloids	Honey		<i>all</i>
8.51	Fumagillin	Honey	Antibacterial compounds	<i>all</i>
8.52	Amitraz	Mammals, birds, fish, honey & dairy	Pesticides	<i>all</i>
8.53	Phthalates	Honey and dairy		<i>all</i>
8.54	Cleansing agents: phenols and cresols including chlorinated forms	Mammals, birds, fish, honey & dairy		<i>all</i>
8.55	Nitrate and nitrite	Dairy		<i>all</i>
8.56	Glycophosphate	Dairy		<i>all</i>
8.57	Aldehydes	Dairy		<i>all</i>
8.58	Dapsone	Dairy		<i>all</i>
8.59	Buparvaquone (BPQ)	Mammals and dairy		<i>all</i>
8.60	Quarternary ammonium compounds (QACs)	Dairy		<i>all</i>
8.61	Chlorhexidine	Dairy		<i>all</i>
8.62	Macrocyclic lactones	Dairy	Anthelmintic	<i>all</i>

Note 'all' in column five 'Market' means where testing is a generic New Zealand requirement



Numeric al Referen ce	Test	Animal Materials and Products and Associated Things	Method	Markets
9.0 GELATINE FOR HUMAN FOOD				
In addition to the testing parameters below; shelf-life of product microbiological test methods for gelatine are found in 2.0 Meat & Meat Product, Poultry & Honey Microbiology/Parasitology.				
9.08	As	Residues parameter		EU
9.09	Pb	Residues parameter		
9.10	Hg	Residues parameter		
9.11	Cr	Residues parameter		
9.12	Cu	Residues parameter		
9.13	Zn	Residues parameter		
9.16	SO ₂	Residues parameter	Reith Williams	
9.17	H ₂ O ₂	Residues parameter	European Pharmacopoeia 1986 (V ₂ O ₂)	
9.18	Cd	Residues parameter		
Note that seafood products test numbering commences from 11.1				
11.1 SEAFOOD PRODUCTS POTABLE WATER				
11.1.1	Faecal coliforms	Potable water HC Spec Schedule 1 COP, Part 2, section 4	APHA 4 th edition 1970 MIMM 11.4 mFC MF MIMM 11.A2 MPN	all
11.1.2	Total coliforms (coliform bacteria) <i>Escherichia coli</i>	Potable water HC Specs Schedule 1 COP, Part 2, Section 4	APHA 4 th edition 1970 MIMM 11.A1.1 rapid MIMM 11.A2 with 11.A2.6 MIMM 11.3/11.4 with 11.5	all
11.2 SEAFOOD PRODUCTS PROCESS WATER				
11.2.1	Faecal coliforms	Process water for ICSS listed premises HC Spec clauses 124(2),125(4)	APHA 4 th edition 1970 MIMM 11.4 mFC MF MIMM 11.A2 MPN	all
11.2.3	Total coliforms (coliform bacteria) <i>Escherichia coli</i>	Wet storage process water for ICSS listed premises HC Spec clauses 124(2),125(4)	APHA 4 th edition 1970 MIMM 11.A1.1 rapid MIMM 11.A2 with 11.A2.6 MIMM 11.3/11.4 with 11.5	all
11.2.4	Chemical physical parameters	Process water for ICSS listed premises HC Spec clause 130	Current editions of AOAC and APHA	all

Note 'all' in column five 'Market' means where testing is a generic New Zealand requirement



Numeric al Referen ce	Test	Animal Materials and Products and Associated Things	Method	Markets
11.3 SEAFOOD PRODUCTS DEPURATION WATER				
11.3.1	Faecal coliforms	Depuration process water for ICSS listed premises HC Spec clauses 129, 130	APHA 4 th edition 1970 MIMM 11.4 mFC MF MIMM 11.A2 MPN	<i>all</i>
11.3.3	Total coliforms (coliform bacteria) <i>Escherichia coli</i>	Depuration process water for ICSS listed premises HC Spec clauses 129, 130	APHA 4 th edition 1970 MIMM 11.A1.1 rapid MIMM 11.A2 with 11.A2.6 MIMM 11.3/11.4 with 11.5	<i>all</i>
11.4 SEAFOOD PRODUCTS SEAWATER				
11.4.1	<i>Escherichia coli</i>	Clean seawater for land based premises HC Spec Schedule 2	No method specified	<i>all</i>
		Clean seawater for fishing vessels HC Spec clause 10	No method specified Testing only required at the discretion of D-G	<i>all</i>
11.4.2	Total coliforms	Clean seawater for land based premises HC Spec Schedule 2	No method specified	<i>all</i>
		Clean seawater for fishing vessels Limited Processing Fishing Vessels RCS clause 20 and HC Specs clause 10	No method specified Testing only required at the discretion of D-G	<i>all</i>
11.5 ALL FISH				
Note re fish meal and fish oils refer section 2.0 Meat & Meat Product, Poultry & Honey Microbiology/Parasitology and section 8.0 Animal Products Chemical Residue Testing (NCRP & NCCP)				
11.5.3	SPC, also known as total viable count (TVC), total plate count (TPC) or APC	All fish	No method specified	<i>India, Customs Union</i>
11.5.4	<i>Staphylococcus aureus</i>	All fish	No method specified	<i>India</i>
11.5.6	<i>Vibrio parahaemolyticus</i>	All fish	As per current edition APHA or FDA BAM as per laboratory's scope of accreditation	<i>India</i>
11.5.7	Heavy metals including mercury	All fish	As per current edition AOAC and APHA as per laboratory's scope of accreditation	<i>EU</i>
		Fish species as specified		<i>Mauritius</i>
11.5.8	Histamine	Fish species as specified	Examinations must be carried out in accordance with reliable, scientifically recognised methods, such as HPLC	<i>EU, Mauritius</i>
		Fish species matured in brine		<i>EU</i>
		All fish HC Specs clause 103(2)		<i>all</i>

Note 'all' in column five 'Market' means where testing is a generic New Zealand requirement



Numeric al Referen ce	Test	Animal Materials and Products and Associated Things	Method	Markets
11.5.9	Total Volatile Basic Nitrogen (TVB-N)	All fish	TVB-N Fish Ziebensen or Journal of Food Protection 52, Issue 6, 1989 or APHA 4 th compendium.	EU, Mauritius
11.5.10	<i>Escherichia coli</i>	All fish	MPN method	India
11.5.11	<i>Salmonella</i>	All fish	No method specified	India, Union Customs
11.5.12	<i>Vibrio cholerae</i>	All fish	As per current edition of APHA or FDA BAM	India
11.6 BIVALVE MULLUSCAN SHELLFISH UNCOOKED				
11.6.1	Faecal coliforms	Bivalve molluscan shellfish growing waters Clause 88(1) BMS RCS Specs	Approved methods as recommended by the National Shellfish Sanitation Programme (APHA 4th Ed 1970)	all
11.6.2	<i>Escherichia coli</i>	Bivalve molluscan shellfish (flesh) Clause 88(1) BMS RCS Specs, EU OMAR	Enumeration of <i>Escherichia coli</i> in Molluscan Bivalve Shellfish, MPI Method	all
		Raw harvested bivalve molluscan shellfish HC Spec clause 121 (2)		all
		Live bivalve molluscs and live echinoderms, tunicates and gastropods		EU
11.6.3	<i>Salmonella</i>	Raw harvested bivalve molluscan shellfish HC Spec clause 121(2)	EN/ISO 6579:2002	all
		Live bivalve molluscs and live echinoderms, tunicates and gastropods		EU
		Bivalve molluscan shellfish		Customs Union
11.6.4	<i>Vibrio parahaemolyticus</i>	Bivalve molluscan shellfish Clause 77 BMS RCS Specs	FDA BAM (most current edition)	all
11.6.5	<i>Vibrio vulnificus</i>	Bivalve molluscan shellfish Clause 77 BMS RCS Specs	FDA BAM (current edition)	all
11.6.6	Heavy metals	Bivalve molluscan shellfish, Clause 7(6) BMS RCS Specs	Current editions of AOAC and APHA.	all
		Bivalve molluscan shellfish, crustaceans, cephalopods		EU
11.6.7	APC	Bivalve molluscan shellfish	No method specified	Customs Union

Note 'all' in column five 'Market' means where testing is a generic New Zealand requirement



Numeric al Referen ce	Test	Animal Materials and Products and Associated Things	Method	Markets
11.7 SHELLFISH BIOTOXINS				
11.7.1	PSP	Bivalve molluscan shellfish HC Specs clause 121 (5), EU OMAR, Clause 88(1) BMS RCS Specs	DG approved methods only	all
11.7.2	DSP			all
11.7.3	NSP			all
11.7.4	ASP			all
11.7.5	PTX			all
11.7.6	YTX			all
11.7.7	AZP			all
11.8 COOKED SEAFOOD PRODUCT				
11.8.1	<i>Escherichia coli</i>	Cooked crustaceans and molluscan shellfish	Enumeration of <i>Escherichia coli</i> in Molluscan Bivalve Shellfish, MPI Method	EU
11.8.2	<i>Salmonella</i>	Frozen pre-cooked crustaceans (flesh only) and cooked crustaceans Cooked crustaceans and molluscan shellfish	EN/ISO 6579:2002 or molecular microbiological methods in the laboratory scope of ISO 17025 accreditation for the matrix tested verified as equivalent to EN/ISO 6579:2002	EU
		Fishery products including bivalve molluscan shellfish	No method specified	Customs Union

Note 'all' in column five 'Market' means where testing is a generic New Zealand requirement



Numerical Reference	Test	Animal Materials and Products and Associated Things	Method	Markets
11.8.5	<i>Listeria monocytogenes</i>	Ready to eat fish, shellfish, crabs, rock lobster, fish products and environmental samples HC Specs clause 142	Presence/absence testing (1) FDA BAM (most current method version) (2) MIMM 7.5 latest edition (3) Tecra Listeria Visual Immunoassay Kit (4) Clear View (Oxoid) Listeria Rapid Test Kit (5) Neogen Reveal 1.0	<i>all</i>
		Ready-to-eat foods able to support the growth of <i>Listeria monocytogenes</i> , other than those intended for infants and special medicinal purposes <i>before the product has left the manufacturer's control and where the operator is unable to satisfy MPI that the product will not exceed 100 cfu/g during the product's shelf-life</i>	(6) EN/ISO 11290-1(1996) and subsequent amendment (2004) (7) Molecular microbiological methods in the laboratory scope of ISO 17025 accreditation for the matrix concerned	<i>EU</i>
		Ready-to-eat foods able to support the growth of <i>Listeria monocytogenes</i> , other than those intended for infants and special medicinal purposes <i>where the operator can satisfy MPI that the product will not exceed 100 cfu/g during the product's shelf-life</i>	Enumeration testing (1) FDA BAM (most current method version) (2) MIMM 7.5 latest edition. (3) EN/ISO 11290-2	<i>EU</i>
11.8.6	APC	Fishery products, including bivalve molluscan shellfish	No methods specified	<i>Customs Union</i>

Note 'all' in column five 'Market' means where testing is a generic New Zealand requirement



Numerical Reference	Test	Animal Materials and Products and Associated Things	Method
DAIRY (RAW MILK)			
30.1	Somatic Cells	Raw milk	
30.2	Inhibitory Substances	Raw milk (all species)	One or more methods listed http://www.foodsafety.govt.nz/registers-lists/recognised-lab/
30.3	Freezing point (to detect water adulterant)	Raw milk (all species)	
30.4	Urea (milk integrity)	Raw milk (all species)	
30.5	APC	Raw milk (all species)	
30.6	Total coliforms	Raw milk (all species)	
30.7	Thermotolerant	Raw milk (all species)	
30.8	Foreign matter	Raw milk (all species)	
DAIRY PRODUCTS - MICROBIOLOGY			
31.1	APC / SPC / TCC	All dairy products	
31.2	<i>Bacillus cereus</i>	All dairy products	
31.2.1	<i>Bacillus cereus</i> Enterotoxin	All dairy products	
31.3	<i>Campylobacter</i>	All dairy products	
31.4	<i>Clostridium botulinum</i>	All dairy products	
31.5	<i>Clostridium perfringens</i>	All dairy products	
31.6	Coliforms (count)	All dairy products	
31.7	<i>Escherichia coli</i>	All dairy products	
31.8	<i>Enterobacteriaceae</i>	All dairy products	
31.9	Faecal coliform	All dairy products	
31.10	<i>Listeria monocytogenes</i>	All dairy products	
31.11	Lipolytic organisms	All dairy products	
31.12	<i>Salmonella</i> (detection)	All dairy products	
31.13	Staphylococcal Enterotoxin	All dairy products	
31.14	<i>Staphylococcus aureus</i> (<i>Staphylococcus</i> , Coagulase Positive)	All dairy products	
31.15	Sulphite-reducing Clostridia (SRC)	All dairy products	
31.16	Yeasts and Moulds	All dairy products	
31.17	<i>Cronobacter sakazakii</i> (previously genus name was <i>Enterobacter</i>)	Infant formula	

Note 'all' in column five 'Market' means where testing is a generic New Zealand requirement



Numerical Reference	Test	Animal Materials and Products and Associated Things	Method
DAIRY PRODUCTS - COMPOSITION (includes standards of identity, vitamins, minerals and other nutrients)			
32.1	Fat	All dairy products	
32.2	Fatty Acids	All dairy products	
32.3	Moisture	All dairy products	
32.4	Protein	All dairy products	
32.5	Solids Non-Fat	All dairy products	
32.6	Salt	All dairy products	
32.7	Vitamin A (retinol)	All dairy products	
32.8	Vitamin D2 (ergocalciferol) & Vitamin D3 (cholecalciferol)	All dairy products	
32.9	Minerals: Sodium, Potassium, Chloride	All dairy products	
32.10	Sugar	Icecream	
32.11	Biotin	Infant formula composition	
32.12	Calcium	Infant formula composition	
32.13	Chloride	Infant formula composition	
32.14	Folic acid	Infant formula composition	
32.15	Ganglioside	Infant formula composition	
32.16	Inositol	Infant formula composition	
32.17	Inulin	Infant formula composition	
32.18	Iodine value	Infant formula composition	
32.20	Lutein	Infant formula composition	
32.21	Nucleotides	Infant formula composition	
32.22	Protein	Infant formula composition	
32.23	Taurine	Infant formula composition	
32.24	Vitamin A	Infant formula composition	
32.25	Vitamin B1	Infant formula composition	
32.26	Vitamin B2	Infant formula composition	
32.27	Vitamin B3	Infant formula composition	
32.28	Vitamin B5	Infant formula composition	
32.29	Vitamin B6	Infant formula composition	
32.30	Vitamin B12	Infant formula composition	
32.31	Vitamin C	Infant formula composition	
32.32	Vitamin K1	Infant formula composition	



Numerical Reference	Test	Animal Materials and Products and Associated Things	Method
DAIRY PRODUCTS - PHYSICAL & CHEMICAL TESTS			
33.1	Foreign Matter	All dairy products	One or more methods for this test is listed in http://www.foodsafety.govt.nz/industry/sectors/dairy/monitoring-testing/laboratories/testing.htm under this link http://www.foodsafety.govt.nz/elibrary/industry/Approved_Test-.xls
33.2	Sediment	All dairy products	
33.3	Freezing point (to detect water adulterant)	All dairy products	
33.4	Phosphatase	All dairy products	
33.5	Reichart-Meissl Value (fat)	All dairy products	
33.6	Polenske Value (fat)	All dairy products	
33.7	pH	All dairy products	
33.8	Titrateable Acidity	All dairy products	
33.9	Solubility (insolubility index)	All dairy products	
33.10	Aflatoxin	All dairy products	
33.11	Peroxide value	All dairy products	
33.12	Radionuclides	All dairy products	
33.13	Ash	All dairy products	
33.14	Hydrogen peroxide	All dairy products	
33.15	Scorched particles	All dairy products	



Numerical Reference	Test	Method
LIVE ANIMALS and GERMPLOASM – DISEASE TESTS		
50.1	Aerobic bacteria	Bacterial culture, propagation
51.1	<i>Aeromonas salmonicida</i>	Bacterial culture, propagation
52.1	Akabane virus	Virus neutralisation test (VNT), antibody detection
53.1	Anaplasmosis	Complement fixation test (CFT), antibody detection
54.1	Avian influenza virus	Agar-gel immunodiffusion test (AGID test), antibody detection
55.1	Avian influenza virus	Enzyme-linked immunosorbent assay – antibody detection (ELISA-Ab), antibody
55.2	Avian influenza virus	Hemagglutination inhibition test (HI), antibody detection
55.3	Avian influenza virus	Virus isolation (VI), propagation
55.4	Avian paramyxovirus serotype 1 (APMV-1)-NDV	Polymerase chain reaction - RNA, DNA detection (PCR), molecular biology
55.5	Avian paramyxovirus serotype 2 (APMV-2)-Yucaipa	HI, antibody detection
55.6	Avian paramyxovirus serotype 2 (APMV-2)-Yucaipa	PCR, molecular biology
55.7	Avian paramyxovirus serotype 3 (APMV-3)	HI, antibody detection
55.8	Avian paramyxovirus serotype 3 (APMV-3)	PCR, molecular biology
55.9	Avian pneumovirus (turkey rhinotracheitis)	ELISA-Ab, antibody detection
56.1	<i>Babesia caballi</i>	ELISA-Ab, antibody detection
56.2	<i>Babesia caballi</i>	Immunofluorescence antibody test (IFAT), antibody detection
56.3	<i>Babesia gibsoni</i>	IFAT, antibody detection
56.4	<i>Babesia gibsoni</i>	PCR, molecular biology
56.5	Blood parasites (<i>Babesia</i> spp.)	Blood smear, visualisation
57.1	Bluetongue virus	AGID test – antibody detection
57.2	Bluetongue virus	ELISA-Ab, antibody detection
58.1	Bovine herpesvirus 1	PCR, molecular biology
59.1	Bovine viral diarrhoea virus (BVDV)	ELISA-Ab, antibody detection
59.2	Bovine viral diarrhoea virus (BVDV)	Enzyme-linked immunosorbent assay – antigen detection (ELISA-Ag), antigen detection
59.3	Bovine viral diarrhoea virus (BVDV)	PCR, molecular biology
59.4	Bovine viral diarrhoea virus (BVDV)	VI, propagation
59.5	Bovine viral diarrhoea virus (BVDV)	VNT, antibody detection
59.6	Bovine viral diarrhoea virus (BVDV)	2 passages, propagation
60.1	<i>Brucella abortus</i>	Serum agglutination test (SAT AM), antibody detection
60.2	<i>Brucella abortus</i>	Serum agglutination test - European (SAT EU as per current EU OMAR), antibody detection

Note 'all' in column five 'Market' means where testing is a generic New Zealand requirement



Numerical Reference	Test	Method
60.3	<i>Brucella canis</i>	Rapid slide agglutination (RSA), antibody detection
60.4	<i>Brucella ovis</i>	ELISA-Ab, antibody detection
60.5	<i>Brucella ovis</i>	CFT, antibody detection
60.6	<i>Brucella</i> spp. (<i>B. melitensis</i> , <i>B. suis</i>)	ELISA-Ab, antibody detection
60.7	<i>Brucella</i> spp. (<i>B. melitensis</i>)	CFT, antibody detection
61.1	<i>Campylobacter</i> spp.	Bacterial culture, propagation
61.2	<i>Campylobacter fetus</i> subsp. <i>venerealis</i>	Bacterial culture, propagation
62.1	Canine/feline heartworm	ELISA-Ag, antigen detection
63.1	Caprine arthritis-encephalitis (CAE) virus	ELISA-Ab, antibody
64.1	Cervine herpesvirus type-1	VNT, antibody detection
65.1	Cytopathic fish virus	VI, propagation
66.1	EDS 76	HI, antibody detection
67.1	<i>Ehrlichia canis</i>	IFAT, antibody detection
68.1	Enzootic bovine leukosis (EBL)	ELISA-Ab, antibody detection
68.2	Enzootic bovine leukosis (EBL)	AGID, antibody detection
69.1	Epizootic haemorrhagic disease (EHD)	AGID, antibody detection
70.1	Equine herpes virus	VNT, antibody detection
70.2	Equine herpes virus - 1	ELISA-Ab, antibody detection
70.3	Equine herpes virus - 4	ELISA-Ab, antibody detection
71.1	Equine infectious anaemia	AGID, antibody detection
71.2	Equine influenza virus	HI, antibody detection
71.3	Equine influenza virus	PCR, molecular biology
72.1	Equine viral arteritis (EVA) virus	VI, propagation
72.2	Equine viral arteritis (EVA) virus	VNT, antibody detection
73.1	Infectious bovine rhinotracheitis (IBR)	ELISA-Ab, antibody detection
73.2	Infectious bovine rhinotracheitis (IBR)	VNT, antibody detection
73.3	Infectious bovine rhinotracheitis (IBR)	VI, propagation
74.1	Infectious bursal disease (IBD)	ELISA-Ab, antibody detection
74.2	Infectious bursal disease (IBD)	PCR, molecular biology
74.3	Infectious bursal disease (IBD)	VNT, antibody detection
75.1	Influenza	PCR, molecular biology
75.2	Influenza A + B	Lateral flow device (LFD), antigen detection
76.1	Johne's disease (JD)	AGID, antibody detection
76.2	Johne's disease (JD)	CFT, antibody detection
76.3	Johne's disease (JD)	ELISA-Ab, antibody detection
77.1	<i>Leishmania</i> spp.	IFAT, antibody detection
77.2	<i>Leptospira ballum</i> (1)	Microscopic agglutination test (MAT), antibody detection
77.3	<i>Leptospira bratislava</i> (2)	MAT, antibody detection
77.4	<i>Leptospira canicola</i> (3)	MAT, antibody detection
77.5	<i>Leptospira copenhageni</i> (4)	MAT, antibody detection
77.6	<i>Leptospira grippotyphosa</i> (5)	MAT, antibody detection
77.7	<i>Leptospira hardjo-bovis</i> (6)	MAT, antibody detection
77.8	<i>Leptospira iceterohaemorrhagiae</i> (7)	MAT, antibody detection

Note 'all' in column five 'Market' means where testing is a generic New Zealand requirement



Numerical Reference	Test	Method
77.9	<i>Leptospira pomona</i> (8)	MAT, antibody detection
77.10	<i>Leptospira tarassovi</i> (9)	MAT, antibody detection
78.1	Lyssa virus	IFAT, antibody detection
79.1	Maedi visna (MV) virus	ELISA-Ab, antibody detection
80.1	Malignant catarrhal fever	PCR, molecular biology
81.1	Microfilariae	Knott's test, visualisation
82.1	<i>Mycoplasma</i> spp.	Bacterial culture, propagation
82.2	<i>Mycoplasma agalactiae</i>	ELISA-Ab, antibody detection
82.3	<i>Mycoplasma capricolum</i> subsp. <i>capricolum</i>	CFT antibody detection
83.4	<i>Mycoplasma gallisepticum</i>	RSA, antibody
84.5	<i>Mycoplasma mycoides mycoides</i> Large colony	CFT antibody detection
85.6	<i>Mycoplasma synoviae</i>	RSA, antibody
86.7	<i>Mycoplasma meleagridis</i>	RSA, antibody detection
87.8	<i>Myxobolus cerebralis</i>	Microscopy, visualisation
88.1	Newcastle disease virus (NDV)	ELISA-Ab, antibody detection
88.2	Newcastle disease virus (NDV)	HI, antibody detection
88.3	Newcastle disease virus (NDV)	VI, propagation
89.1	<i>Ornithobacterium rhinotracheale</i>	Bacterial culture, propagation
90.1	Palyam virus	AGID, antibody detection
91.1	Parainfluenza virus type-3	VI, propagation
92.1	Parasite eggs	Faecal egg count, visualisation
93.1	Pestivirus/hairy shaker disease virus/ border disease virus	VI, propagation
93.2	Hairy shaker disease virus / border disease virus	2 passages, propagation
94.1	Porcine parvovirus	ELISA-Ab, antibody detection
95.1	Q fever	CFT, antibody detection
95.2	Q fever	ELISA-Ab, antibody detection
95.3	Q fever	PCR, molecular biology
96.1	Rabies virus	Rapid fluorescent focus inhibition test (RFFIT), antibody detection
97.1	<i>Renibacterium salmoninarum</i>	PCR, molecular biology
98.1	<i>Salmonella</i> spp	Bacterial culture, propagation
98.2	<i>Salmonella</i> spp	ELISA-Ab, antibody detection
98.3	<i>Salmonella</i> specific serotypes: including <i>S. Typhimurium</i> and <i>S. Enteritidis</i>	Bacterial culture, propagation
98.4	<i>Salmonella arizona</i>	Bacterial culture, propagation
98.5	<i>Salmonella pullorum</i>	SAT, antibody detection
99.1	<i>Streptococcus equi</i> subsp., <i>equi</i> culture	Bacterial culture, propagation
100.1	<i>Taylorella equigenitalis</i>	Bacterial culture, propagation
101.1	<i>Theileria equi</i>	ELISA-Ab, antibody detection
101.2	<i>Theileria equi</i>	IFAT, antibody detection
102.1	Ticks	Identification, visualisation
103.1	<i>Trichinella spiralis</i>	ELISA, antibody detection
103.2	<i>Trichinella spiralis</i>	Pepsin digestion, visualisation
103.3	<i>Trichomonas foetus</i>	Bacterial culture, propagation
104.1	<i>Yersinia ruckeri</i>	Bacterial culture, propagation
105.1	West Nile Virus	ELISA-Ab, antibody detection

Note 'all' in column five 'Market' means where testing is a generic New Zealand requirement



Abbreviations:

- AOAC = Association of Official Analytical Chemists
- AOCS = Official Methods and Recommended Practices of the American Oil Chemist's Society AOCS
- APC = Aerobic Plate Count
- APHA 4th edition 1970 = American Public Health Association. 1970. Recommended Procedures for the Examination of Sea Water and Shellfish, 4th edition, APHA, New York, N.Y. Note that this edition is out of print, but this is the edition specified by FDA. Library copies are held at ESR Christchurch and ESR Mt Albert
- APHA = Standard Methods for the Examination of Water and Wastewater (American Public Health Association) latest edition
- BMS RCS Specs = Animal Products (Specifications for Bivalve Molluscan Shellfish) Notice 2006
- COP = Code of Practice, Processing of Seafood Products
- FDA BAM = U.S. Food and Drug Administration Bacteriological Analytical Manual (BAM)
- HC Specs = Animal Products (Specifications For Products Intended For Human Consumption) Notice 2013
- HPLC = high pressure liquid chromatography
- MF = membrane filtration
- MIMM = Meat Industry Microbiological Methods, latest edition
- MIRINZ 831 = Morris M.A., Methods for Determining the Physical and Chemical Properties of Products and Wastes of Rendering Departments
[Volume 831 of MIRINZ \(Series\)](#)
- NCCP = National Chemical Contaminants Programme (dairy)
- NCRP = National Contaminant Residue Programme (non-dairy)
- NMD = National Microbiological Database
- OMAR = Overseas Market Access Requirement
<http://www.foodsafety.govt.nz/industry/exporting/market-access/omars.htm>
- RCS = Regulated Control Scheme
- SPC = Standard Plate Count
- spp. = species
- TBC = Total Bacterial Count