

Schedule of Accreditation



Organisation Name	Agri-Food & Biosciences Institute
Trading As	Agri-Food & Biosciences Institute
INAB Reg No	422T
Contact Name	Helen Shields
Address	Stoney Road, Stormont, BT4 3SD, Belfast
Contact Phone No	02890525644
Email	helen.shields@afbini.gov.uk
Website	www.afbini.gov.uk
Accreditation Standard	EN ISO/IEC 17025 T
Standard Version	2017
Date of award of accreditation	04/09/2024
Scope Classification	Biological and Veterinary Testing
Scope Classification	Chemical Testing
Services available to the public ¹	Yes

¹ Refer to document on interpreting INAB Scopes of Accreditation

Sites from which accredited services are delivered		
(the detail of the accredited services delivered at each site are on the Scope of Accreditation)		
	Name	Address
1	Veterinary Sciences Division	12 Stoney Road, Stormont, Belfast, United Kingdom, BT4 3SD
2	AFBI Headquarters	18a Newforge Lane, Belfast, United Kingdom, BT9 5PX

Scope of Accreditation

AFBI Headquarters

Biological and Veterinary Testing

Category: A

Biology/veterinary field - Tests	Test name	Technique	Matrix	Equipment	Std. reference
801 Macroscopic examination and description	PHEP 13 Extraction, count and identification of cyst nematodes	Fenwick Can Method & Microscopy	Soil	Fenwick Can, Sieves, Microscope	EPPO PM7-40(3)
	PHEP 13 Extraction, count and identification of free living plant parasitic active nematodes	Cobb's Technique incorporating the Baermann funnel and Microscopy	Soil and Sediments	Sieves, Baermann Funnel, Microscope	EPPO PM7-40(3)
	PHEP 13 Extraction, count and identification of free living plant parasitic nematodes	Baermann Funnel and Microscopy	Soil and plant material	Sieves, Baermann Funnel, Microscope	EPPO PM7-40(3)
		Mistifier Funnel spray method and Microscopy	Plant Material	Funnel Spray apparatus, Microscope	EPPO PM7-40(3)
	PHEP 13 Extraction, count and identification of Potato Cyst Nematodes	Alcohol Flotation and Microscopy	Peat	Sieves, Funnel, Microscope	EPPO PM7-40(3)

803 Culture of organisms in liquid or agar based culture media with visual or instrument monitoring for growth - .01 Culture of bacteria	FMU 10 Detection Of Salmonella spp	Cultural Method	Animal Feedingstuffs and Composts Food & Food Products Hygiene Swabs Liquid Milks & Creams Of Bovine Origin	Incubator	Based on BS EN ISO 6579-1:2017 + A1:2020 Confirmation by biochemical profile and serology using Prolab antisera
	FMU 10 Identification Of Salmonella serotyping		Microbial Cultures/Isolates for Animal tissues, fluids and Feeds	Incubator, Illuminated Magnifier	based on BS EN ISO 6579-1:2017 + A1:2020 Confirmation by biochemical profile and serology based on Kauffman-White scheme using Prolab antisera.
	FMU 12 Aerobic Colony Count at 30°C	Cultural Method	Milk, Dairy Products and swabs	Incubator, Colony Counting Equipment	BS EN ISO 4833-2:2013 + Amd 1:2022 BS EN ISO 4833-1:2013+Amd 1:2022
	FMU 15 Enumeration Of Coagulase-positive Staphylococci including Staphylococcus aureus	Cultural Method	environmental swabs	Incubator, Colony Counting Equipment	Based on BS EN ISO 6888-1::1999 + A2:2018 confirmed by tube coagulase reaction
		Cultural Method & Coagulase Test	Food & Food Products	Incubator, Colony Counting Equipment	Based on BS EN ISO 6888-1:1999 + A2:2018 confirmed by tube coagulase reaction
	FMU 16 Qualitative determination of Inhibitory Substances	Cultural Method	Liquid Milks and Creams Of Bovine Origin	Incubator, Delvotest® SP NT Test Kit	Based on EEC Directive 91/180/EEC (1991) In-house method for detection of inhibitory substances using Delvo SP NT using Penicillin at 0.003 IU

FMU 18 Enumeration Of Coliforms at 30°C
FMU 20 Enumeration Of Enterobacteriaceae
FMU 20 Enumeration Of Enterobacteriaceae at 30°C
FMU 20 Enumeration Of Enterobacteriaceae at 37°C
FMU 22 Enumeration Of Clostridium perfringens
FMU 25 Detection and identification of Campylobacter spp
FMU 25 Enumeration and identification of Campylobacter spp

Liquid Milks & Creams Of Bovine Origin	Incubator, Colony Counting Equipment	Based on BS ISO 4832: 2006
Animal Feedingstuffs and Composts	Incubator, Colony Counting Equipment	Based on BS EN ISO 21528-2:2017 in accordance with the Animal By-Products (Enforcement) Regulation (Northern Ireland) 2011
Liquid Milks & Creams Of Bovine Origin	Incubator, Colony Counting Equipment	Based on BS ISO 21528-2:2017
Food & Food Products	Incubator, Colony Counting Equipment	Based on BS EN ISO 21528-2: 2017
Animal Feedingstuffs and Composts	Incubator, Anaerobic Incubator, Anaerobic Cabinet	Based on BS EN ISO 7937:2004
Food & Food Products	Incubator, Stomacher, Microaerophilic Cabinet, Microscope, Anaerobic Gas Jar	FMU 25 based on BS EN ISO 10272-1:2017/Amd 1 2023 with subsequent biochemical confirmation and identification to species level
Raw meat & Faeces	Incubator, Stomacher, Microaerophilic Cabinet, Microscope, Anaerobic Gas Jar	FMU 25 in-house method with subsequent biochemical confirmation and identification to species level
Raw meat, Faeces & Environmental swabs	Incubator, Stomacher, Microaerophilic Cabinet, Microscope, Anaerobic Gas Jar	Based on BS EN ISO 10272-1:2017/Amd 1 2023 with subsequent biochemical confirmation and identification to species level

	FMU 27 Detection Of Presumptive Escherichia coli O157 (including H7)		Beef (raw trim and mince)	Incubator	Based on Health Products and Food Branch, Health Canada MFLP-82:2014 using Merck Singlepath E. coli O157 kit
805 Detection and/or identification of bacterial, parasite, fungal and viral nucleic acids using appropriate techniques - .04 Nucleic acid amplification tests, in house developed assays	PPMB 41, PPMB 8 & PPMB 20 Detection of Xylella fastidiosa	Real Time PCR	Leaf material	MagCore magnetic bead system HF16 or 48 with the associated MagCore DNA Plant Kit Real time PCR using the Qiagen QuantiNova Probe PCR kit amplified by the Roche LightCycler 96	EPPO protocol 7_24 (4) Xylella fastidiosa
	PPMB 42, PPMB 8 & PPMB 20 Detection of Phytophthora ramorum		Leaf material	Nucleic acid extraction using the MagCore magnetic bead system HF16 or 48 with the associated MagCore DNA Plant Kit. Real time PCR using the Qiagen QuantiNova Probe PCR kit amplified by the Roche LightCycler 96	EPPO bulletin PM 7/66 (1)
806 Identification of cultured bacteria and fungi using non-nucleic acid based techniques -	FMU 13 Detection Of Listeria monocytogenes and species identification by API	Cultural Method	Food & Food Products Liquid Milks & Creams Of Bovine Origin	Incubator, High Power Microscope with Oil-Immersion Objective	Based on BS EN ISO 11290-1:2017 with

.02 Biochemical methods , non-CE marked / in house methods					identification using API Listeria
812 Characterisation of subtypes within species of bacteria, fungi or virus using appropriate techniques - .02 Molecular / nucleic acid analysis methods [specifying the particular techniques]	FMU 28 Detection and isolation of Shigatoxin-producing E. coli (STEC serogroups: O157, O26, O45, O103, O111, O121, O145)	Culture & RT-PCR	Meat products, carcass swabs, environmental sponge swabs	Bio-Rad IQ Check® STEC VirX and STEC SerO11 PCR detection kits for target genes stx1 / stx2, eae; IMS; culture on modified Rainbow agar and confirmation using latex agglutination and PCR using the Bio-Rad CFX96 thermal cycler, Incubators, Cabinets	Based on USDA-STECC guide MLG5C procedures and algorithms for O157:H7 and other Shigatoxin-producing E. coli serotypes.
820 Miscellaneous	MARECOL 10 Identification and enumeration of toxin producing Phytoplankton	Microscopic examination using Utermohl chambers	Seawater	Sedimentation Chambers, Inverted Microscope, Micrometer	

Veterinary Sciences Division

Biological and Veterinary Testing

Category: A

Biology/veterinary field - Tests	Test name	Technique	Matrix	Equipment	Std. reference
802 Preparation of films on slides followed by microscopic examination with or without fixation and staining with dyes as required - .04 Microscopic examination for mycobacteria	DSIB 332 Identification of Mycobacterial Lesions Consistent with Bovine Tuberculosis in Histology Tissue Sections	Haematoxylin and eosin stain (H & E) and Ziehl- Neelsen (ZN) staining	Bovine, Deer and Badger Tissue	Automatic Tissue Processor, Embedding Console	OIE manual chapter 3.1.13 (2022)
803 Culture of organisms in liquid or agar based culture media with visual or instrument monitoring for growth - .01 Culture of bacteria	BAC 262 & BAC 264 & BAC-270 Detection of Salmonella spp	Cultural Method & Bacterial Isolation	Boot swabs, dust (house), faeces, swabs, litter, meconium, viscera, , feed dust,	Incubator	EN ISO 6579-1:2017+ A1:2020
	BAC 852 & BAC 853 Isolation and Identificaton Of Brucella Abortus		Bovine lymph nodes and vaginal swabs	CO2 Incubator, Stomacher, Aerobic Incubator	
	FHU53 Enumeration of faecal E. Coli and FHU53 Enumeration of Enterococci	Membrane filtration and selective media	Marine or freshwater	Membrane Filtration Apparatus Colony Counting Equipment	For Enterococci - Based on BS EN ISO 7899-2:2000 "Water quality - Detection and enumeration of intestinal enterococci - Part 2: Membrane filtration method" For E.coli -Based on The Standing Committee of Analysts Method "The Microbiology of Recreational and Environmental Waters (2016) – Part 3 - Methods

					for the isolation and enumeration of Escherichia coli'
803 Culture of organisms in liquid or agar based culture media with visual or instrument monitoring for growth - .03 Culture of mycobacteria	BAC 403 by bacterial isolation and culture of Mycobacterium bovis including BAC410 MGIT, BAC 405 ZN stain	Cultural Method & Bacterial Isolation	Animal Tissues	Bactec MGIT 960, Tissue Homogeniser	OIE manual chapter 3.1.13 (2022)
804 Detection of bacterial, parasite, viral or fungal antigens using specific antibodies and appropriate techniques - .03 Enzyme immunoassay,	DSIB 234 Detection Of Bovine Viral Diarrhoea Virus (BVDV) Antigen Using The IDEXX BVDV Anitgen/Serum Plus ELISA Kit **1234	ELISA	Plasma/Serum/Whole Blood and Ear Notch	Plate Reader	
805 Detection and/or identification of bacterial, parasite, fungal and viral nucleic acids using appropriate techniques - .02 Nucleic acid probe hybridization, in house developed assays	BAC 653 Spoligotyping of Mycobacterium tuberculosis complex bacteria	Molecular hybridization Geneup 9700	Isolate DNA	Thermocycler, Hybridisation Oven, Heating & Cooling blocks, Geneup 9700	
805 Detection and/or identification of bacterial, parasite, fungal and viral nucleic acids using appropriate techniques - .04 Nucleic acid amplification tests, in house developed assays	DSIB 184 Bovine Viral Diarrhoea Virus (BVDV) detection by Taqman real time RT-PCR (Virotype kit) **1234	RT-PCR	Serum (individual and pooled), milk and tissue	Real-time PCR Thermocycler	
	FDU 733 Manual RNA extraction using Roche High Pure viral kit and Detection of Infectious Salmon Anaemia Virus (ISAV) using QuantiTect Multiplex Realtime PCR NR Kit and analysis with Qiagen Rotorgene **1234	Realttime PCR	Fish Serum, tissues	Manual extraction using Roche High Pure viral extraction kit QuantiTect Multiplex Realtime PCR NR Kit Qiagen Rotorgene Qiagen Tissue Lyser II	
	FDU 734 Manual RNA extraction using		Fish tissues, serum and cell cultures	Qiagen Rotorgene Qiagen Tissue Lyser	

Roche High Pure viral kit and Detection of Viral Haemorrhagic Septicaemia Virus (VHSV) using QuantiTect Multiplex realtime PCR NR Kit and analysis with Rotorgene **1234
FDU 735 Manual RNA extraction using Roche High Pure viral kit and Detection of Infectious Haematopoietic Necrosis (IHN) using QuantiTect Multiplex realtime PCR NR Kit and analysis with Rotorgene **1234
FDU 738 Manual DNA extraction using Qiagen Qiaminikit and Detection of Koi Herpesvirus (KHV) using Multiplex RT-PCR NR Kit and analysis with Rotorgene **1234
FDU 739 Manual DNA extraction using Qiagen Qiaminikit and Detection of Bonamia ostreae in gill tissue of Ostrea edulis using Multiplex realtime PCR NR Kit and analysis with Rotorgene **1234
FDU 749 Manual DNA extraction using Qiagen Qiaminikit and detection of Gyrodactylus salaris using Multiplex RT-PCR NR Kit and analysis with Rotorgene **1234

	II Qiagen Rotorgene QuantiTect Multiplex realtime PCR NR Kit	
Fish tissues, serum and cell cultures	Qiagen Tissue Lyser II Qiagen Rotorgene QuantiTect Multiplex realtime PCR NR Kit	
Fish tissues, serum and cell cultures	Qiagen Tissue Lyser II Qiagen Rotorgene	
Shellfish tissue	Qiagen Tissue Lyser II Qiagen Rotorgene	
Fish Tissues and Serum	Qiagen Tissue Lyser II Qiagen Rotorgene	

<p>VMDL 63: RNA/DNA extraction using Indical IndiMag Pathogen kit with IndiMag 48 and realtime PCR Detection of Avian Orthoavulavirus type-1 (AOAV-1) RNA using Qiagen Quantinova Probe RT-PCR Kit and Roche Lightcycler 96 **1234</p>
<p>VMDL 66: Extraction of RNA/DNA using Indical IndiMag Pathogen kit. Identification of avian influenza H5, H7, N1 subtypes using Ambion AgPath ID RT-PCR Kit and Roche Lightcycler 96 **1234</p>
<p>VMDL 72 RNA/DNA extraction using Indical IndiMag Pathogen kit and IndiMag 48. Detection of BlueTongue virus using Roche LightCycler Multiplex RNA Virus probe kit. and Roche Lightcycler 96 **1234</p>
<p>VMDL 96: RNA/DNA extraction using Indical IndiMag Pathogen kit and Detection Of Influenza A virus Matrix gene from Avian & Mammal Species using Qiagen Quantinova Probe RT-PCR Kit and Roche Lightcycler 96 **1234</p>

Avian tissue homogenates, faeces, swabs and allantoic fluid	IndiMag 48 Roche LightCycler 96	Based on Sutton et al., 2019
Avian tissue homogenates, faeces, swabs and allantoic fluid	IndiMag 48 Roche Light cycler 96	Based on Slomka et al., 2007/2009 and Payungporn et al., 2006 publications
Ruminant EDTA blood and homogenised lysate	IndiMag 48 Roche Light cycler 96	Based on Hofmann et al., 2008
Avian tissue homogenates, faeces, swabs and allantoic fluid	IndiMag 48 Roche Light cycler 96	Based on Nagy et al., 2010/2020 publications

805 Detection and/or identification of bacterial, parasite, fungal and viral nucleic acids using appropriate techniques - .05 Nucleotide sequencing & analysis	FDU 727 Manual DNA extraction using Qiagen Qiaminikit and Detection of Partial nsP1 Gene Sequence of Salmonid Alphavirus (SAV) using Multiplex realtime PCR NR Kit and analysis with Rotorgene **1234		Fish tissues, serum (individual and pooled) and cell cultures	Qiagen Tissue Lyser II Qiagen Rotorgene	
806 Identification of cultured bacteria and fungi using non-nucleic acid based techniques - .02 Biochemical methods , non-CE marked / in house methods	BAC 270 Biochemical Identification Of Enterobacteriaceae	Biochemical	Salmonella Cultures	Incubator	Conforms to BS EN ISO 6579-1:2017
808 Detection of antibody response to infection using appropriate techniques - .09 Haemagglutination inhibition	IDB 760 Detection of antibodies to Avian Influenza (AI) H5 and H7 **1234	Haemagglutination	Avian Serum	Water Bath, Refrigerated Bench Centrifuge	
808 Detection of antibody response to infection using appropriate techniques - .10 Slide agglutination	BAC 268 Serotyping of Salmonella cultures	Agglutination	Salmonella Cultures	Incubator	Conforms to BS EN ISO 6579-3:2014
	IDB 513 Detection of Antibody to Brucella abortus /melitensis/ suis **1234	Rose Bengal Test by Agglutination	Plasma and Serum	Water Bath	
808 Detection of antibody response to infection using appropriate techniques - .11 Agar gel immunodiffusion	IDB 508 detection of antibodies to Maedi-Visna (MV) using the APHA Maeditect 1000 AGID antibody Test Kit **1234	Agar Gel Immunodiffusion	Ovine Serum	Light Source (Light Box), Bench Steriliser 1000 AGID antibody test kit	
	IDB 511 The detection of antibodies to Equine Infectious Anaemia (EIA) using the VMRD Equine Infectious Anaemia AGID antibody Test Kit **1234		Equine Serum	Light Source (Light Box), Bench Steriliser	
808 Detection of antibody response to infection using	IDB 64 The detection of Brucella abortus antibodies in	Complement Fixation (cold)	Bovine Serum	Refrigerator, pH meter	

appropriate techniques - .13 Complement fixation test	Bovine blood using the complement fixation test (CFT) **1234				
	IDB 8 The detection of Brucella abortus antibodies in Bovine blood using the complement fixation test (CFT)-Warm method **1234	Compliment Fixation (warm)	Bovine Serum	Incubator Shaker	
808 Detection of antibody response to infection using appropriate techniques - .14 Serum neutralisation test	IDB 20 The detection of Brucella abortus antibodies in Bovine blood samples using MSAT, Confirmatory **1234	Serum Agglutination	Bovine Serum	Incubator Shaker	
808 Detection of antibody response to infection using appropriate techniques - .15 Enzyme immunoassay, using non CE marked systems / in house methods.	BAC 763 & BAC 764 Detection Of Interferon-gamma by Antigen Stimulation and Using BOVIGAM Gamma Interferon Test Kit	Antigen Stimulation & ELISA	Heparin Whole Blood	CO2 Incubator, Incubator Shaker	
	IDB 501 Detection of antibodies to Enzootic Bovine Leucosis Using The IDEXX EBL blocking ELISA kit **1234	ELISA	Bovine Serum and Plasma	ELISA Plate reader, Incubator Shaker	
	IDB 503 Detection of antibodies to Pseudorabies Virus gB using the IDEXX Pseudorabies Virus gB Antibody Test Kit **1234		Porcine: Serum, plasma, and paper filter discs	Plate reader, incubator/shaker	
	IDB 504 Detection of antibodies to Pseudorabies Virus gE using the IDEXX Pseudorabies Virus gE Antibody Test Kit **1234		Porcine Serum and plasma	Plate reader, incubator/shaker	
	IDB 505 Detection of antibodies to Classical Swine Fever Virus in serum and plasma using the PrioCHECK CSFV Ab 2.0 ELISA Test Kit **1234		Porcine Serum	Plate Reader, Incubator/Shaker	

	IDB 509 Detection of antibodies to Bluetongue in serum and plasma samples using the IDVet ID Screen Bluetongue Competition ELISA Test Kit **1234		Serum (bovine, ovine, caprine, buffalo or deer)	Plate Reader, Incubator/Shaker	
	IDB 529 Detection of African Swine Fever antibodies using ID Screen® Indirect ELISA **1234		Porcine serum	Plate reader	
	IDB 529 Detection of African Swine Fever antibodies using ID Screen® Indirect ELISA **1234		Porcine serum	Plate reader	
	IDB 66 & 22 The Processing of General Abattoir Surveillance Samples (GAS) using IDEXX iELISA & The detection of Brucella abortus antibodies in bovine blood by IDEXX i-ELISA **1234		Bovine Serum	Plate Reader, Plate Washer, Incubator Shaker	
	IDB 7 The detection of Brucella abortus antibodies in milk samples using IDEXX iELISA Brucellosis Antibody Test Kit **1234		Bovine Milk (Individual or Bulk)	Plate Reader, Plate Washer, Plate Shaker	
812 Characterisation of subtypes within species of bacteria, fungi or virus using appropriate techniques - .04 Other specified methods	BAC 271 Antimicrobial Resistance testing of Salmonella spp	Cultural Method	Salmonella Cultures	Incubators, Digital Calipers	
815 Detection of prions using specific antibodies and appropriate techniques - .02 Detection of prion protein by immunological methods (including	TSE 25 Western Blot Confirmatory Test for TSE using BioRad Western Blot Kit	Western Blot Electrophoresis	Homogenised brainstem tissue from Bovine, Ovine, Cervid and Caprine	Precellys 24 Homogeniser Fast Prep Homogeniser Gel tanks and power	

ELISA, Western Blots, immunohistochemistry)				packs BioRad Western Blot Kit	
	TSE 71 Detection of TSE Prion protein using IDEXX Herdcheck ELISA **1234	ELISA	Brainstem tissue (bovine, ovine, cervid, small ruminant)	Tissue homogenizer Microplate incubator, washer and reader	
820 Miscellaneous	BAC 395 AMR Isolation & Identification of E. coli producing Extended Spectrum β - lactamases (ESBL), AmpC β - lactamases (AmpC) and Carbapenemases (CP)	Cultural Method & Bacterial Isolation	Porcine, Bovine, Broiler and Turkey Faeces, caecae and fresh retail meat.	Incubator	Methodologies conform to EURL-AR protocols in line with EU/2017/625.
	BAC 396 AMR determination by MIC of antimicrobial resistant Salmonella, E Coli (including ESBLs) and campylobacter	MIC using Sensititre plates	E. Coli, salmonella and campylobacter culture isolates	Auto-innoculator, VIZON camera imaging with reading manually or using SWIN software.	eURL protocol inline with Commission implementing (EU) Decision 2020/1729

Veterinary Sciences Division

Chemical Testing

Category: A

Chemistry Field - Tests	Test name	Analyte	Range of measurement	Matrix	Equipment/technique	Standard reference/SOP
752 Chemical residue testing - .01 Drugs and drug metabolites	Detection Of Amphenicol	Florfenicol Florfenicol amine Thiamphenicol		Bovine, ovine, porcine kidney and avian muscle	Immunobiosensor	CSD 146
	Detection Of Antimicrobial Substances, but not limited to the following	Amoxicillin Ampicillin Apramycin Cefquinone Ceftiofur Cephalexin Chlortetracycline Ciprofloxacin Danofloxacin Difloxacin Doxycycline Enrofloxacin Erythromycin Flumequine Kanamycin Lincomycin Marbofloxacin Nafcillin Neomycin Norfloxacin Oxacillin Oxytetracycline Penicillin G Pirlimycin Sarafloxacin Tetracycline		Bovine, porcine and ovine kidney; bovine and avian muscle and egg	Microbial Growth Inhibition	CSD 222

	Tilmicosin Tulathromycin				
	Ampicillin Cefalonium Ceftiofur Chlortetracycline Danofloxacin Dicloxacillin Dihydrostreptomycin Enrofloxacin Erythromycin Neomycin Oxytetracycline Spiramycin		Milk	Microbial Growth Inhibition	CSD 223
Detection Of Chloramphenicol	Chloramphenicol		Avian Muscle	Immunobiosensor	CSD 202
	Chloramphenicol		Bovine Urine	Immunobiosensor	CSD 205
			Bovine, ovine and porcine kidney	Immunobiosensor	CSD 203
			Egg	Immunobiosensor	CSD 204
			Milk	Immunobiosensor	CSD 201
Detection Of Imidocarb	Imidocarb		Bovine Liver	Immunobiosensor	CSD 135
Detection Of Sulphonamides, including, but not limited to the following:	Sulphadiazine Sulphadoxine Sulphamethazine Sulphathiazole Sulphaquinoxaline Sulphatroxazole Sulphamethoxypyridazine Sulphachloropyridazine		Bovine, ovine and porcine kidney, avian muscle, milk and egg	Thin Layer Chromatography	CSD 210-213
Determination Of Domoic Acid	Domoic Acid		Shellfish	HPLC-UV	CSD 406

Determination Of Lipophilic (DSP) Toxins **1234	Lipophilic (DSP) Toxins		Mussels, native and pacific oysters, Manila clams, cooked mussel, whole queen scallop, king scallop (whole, adductor & adductor/roe)	LC-MS/MS	CSD 379
Determination of veterinary drugs in animal feedstuffs **1234	Amprolium Avilamycin Carbadox Chloramphenicol Chlortetracycline Clopidol Decoquinate Diclazuril Dimetridazole Emamectin Ethopabate Fenbendazole Florfenicol Flubendazole Halofuginone Ipronidazole Ivermectin Lasalocid Lincomycin Maduramicin Metronidazole Monensin Narasin Nicarbazin Olaquinox Oxytetracycline Penicillin V Robenidine Ronidazole		Feed	LC-MS/MS	CSD 386

	Salinomycin Semduramicin Spiramycin Sulphadiazine Sulphamethazine Teflubenzuron Tiamulin Tilmicosin Trimethoprim Tylosin Tylvalosin Valnemulin				
Quantitative Analysis Of Paralytic Toxins	PSP Toxins		King scallops, mussels, pacific and native oysters	HPLC	CSD 409
Quantitative Determination and Confirmation Of β -Agonists **1234	Brombuterol Bromochlorbuterol Cimaterol Cimbuterol Clenbuterol Clenpenterol Hydroxymethylclenbuterol Isoxsuprine Mabuterol Mapenterol Ractopamine Salbutamol Salmeterol Terbutaline Tulobuterol Zilpaterol		Bovine, ovine and porcine liver and urine; avian liver, bovine retina and animal feeding stuffs	LC-MS/MS	CSD 306
Quantitative Determination of Nitromidazoles **1234	Dimetridazole Hydroxydimetridazole Hydroxyipronidazole Ipronidazole Metronidazole Ronidazole		Bovine and porcine kidney, ovine kidney, avian liver and serum, turkey muscle, milk, egg and feeding stuffs	LC-MS/MS	CSD 337

Quantitative determination of Quinolones and fluorinated derivatives **1234	Ciprofloxacin Danofloxacin Difloxacin Enrofloxacin Flumequine Marbofloxacin Oxolinic acid		Avian and bovine muscle and bovine, ovine and porcine kidney, milk and eggs	LC-MS/MS	CSD 360
Quantitative Determination Of Aminoglycosides **1234	Apramycin Dihydrostreptomycin Gentamycin C1, C1a, C2/C2a Kanamycin Neomycin Paromomycin Spectinomycin Streptomycin		Bovine, porcine, and ovine kidney; bovine, avian and porcine muscle and bovine milk and avian eggs	LC-MS/MS	CSD 348
Quantitative Determination Of Anti-Parasitics **1234	Abamectin Albendazole Albendazole 2-amino sulphone Albendazole sulphone Albendazole sulphoxide Cambendazole Clorsulon Closantel Coumaphos Coumaphos-oxon Derquantel Doramectin Emamectin Eprinomectin Fenbendazole Fenbendazole sulphone Fenbendazole sulphoxide Flubendazole Flubendazole-amino Flubendazole-hydroxy Ivermectin Levamisole		Avian, bovine, ovine and porcine liver, bovine muscle and milk	LC-MS/MS	CSD 384

	Mebendazole Mebendazole-amino Mebendazole-hydroxy Monepantel Morantel Moxidectin Niclozamide Nitroxynil Oxibendazole Oxibendazole-amino Oxyclozanide Rafoxanide Thiabendazole Thiabendazole-hydroxy Triclabendazole Triclabendazole-keto Triclabendazole-sulphone Triclabendazole-sulphoxide				
Quantitative Determination Of Chloramphenicol **1234	Chloramphenicol	0-3.0µg/kg ??	Bovine, ovine and porcine kidney, avian and fish muscle, bovine urine, milk; egg and honey	LC-MS/MS	CSD 301
Quantitative Determination Of Coccidiostats **1234	Clazuril Decoquinat Diclazuril Halofuginone Lasalocid Maduramicin Monensin Narasin Nicarbazin Robenidine Salinomycin Semduramicin		Avian, Bovine, Ovine, and Porcine Liver and egg	LC-MS/MS	CSD 382

Quantitative Determination Of Fipronil **1234	Fipronil		Eggs	LC-MS/MS	CSD 384
Quantitative Determination Of Florfenicol **1234	Florfenicol		Bovine, Porcine kidney, Fish Muscle, Milk	LC-MS/MS	CSD 389
Quantitative Determination Of Gestagens **1234	Altrenogest Chlormadinone acetate Delmadinone acetate Flurogestone acetate Medroxyprogesterone acetate Megestrol acetate Melengestrol		Bovine, ovine, porcine kidney fat and bovine serum	LC-MS/MS	CSD 326
Quantitative Determination Of Imidocarb **1234	Imidocarb		Bovine Liver	LC-MS/MS	CSD 377
Quantitative Determination Of Macrolides and Lincosamides **1234	3-O-Acetyltylosin Erythromycin A Gamithromycin Josamycin Lincomycin Pirlimycin Spiramycin Tildipirosin Tilmicosin Tulathromycin Tylosin A Tylvalosin		Bovine, ovine, porcine kidney, avian, bovine, ovine and porcine muscle milk and avian egg.	LC-MS/MS	CSD 373
Quantitative Determination of Methyltestosterone **1234	Methyltestosterone		Pig Feed	LC-MS/MS	CSD 385
Quantitative Determination Of Non-Steroidal Anti-	Carprofen Diclofenac Etodolac		Bovine, ovine and porcine liver, equine kidney,	LC-MS/MS	CSD 340

Inflammatory Drugs **1234	Flunixin Ketoprofen Mefenamic acid Meloxicam Naproxen Niflumic acid Phenylbutazone Tolfenamic acid Vedaprofen		bovine and equine muscle		
Quantitative Determination Of Penicillins and Cephalosporins **1234	Amoxicillin Ampicillin Cefalexin Cefalonium Cefapirin Cefazolin Cefoperazone Cefquinome Ceftiofur Cloxacillin Dicloxacillin Nafcillin Oxacillin Penicillin G Penicillin V		Bovine, ovine and porcine kidney, avian, bovine, ovine and porcine muscle, milk and avian egg	LC-MS/MS	CSD 344
Quantitative Determination of Phenylbutazone **1234	Phenylbutazone		Plasma	LC-MS/MS	CSD 392
Quantitative Determination of Quinoxaline-2- carboxylic acid, 3 Methyl-quinoxaline-2- carboxylic acid confirmation **1234	Quinoxaline-2-carboxylic acid, 3 Methyl-quinoxaline-2- carboxylic acid		Porcine Liver	LC-MS/MS	CSD 304

<p>Quantitative Determination Of Steroids **1234</p>	<p>ADD α-boldenone β-boldenone CLAD Dexamethasone Dienestrol Diethylstilboestrol Ethisterone Fluoxymesterone Hexestrol Hydroxystanozolol Medroxyprogesterone Methenolone Methylboldenone Methyltestosterone Norethandrolone Norgestrel 17α & 17β-19-Nortestosterone Progesterone Stanozolol Taleranol Testosterone α-Trenbolone Zeranol</p>		<p>Bovine, porcine and ovine urine</p>	<p>LC-MS/MS</p>	<p>CSD 316</p>
<p>Quantitative Determination Of Sulphonamides **1234</p>	<p>Dapsone Sulphabenzamide Sulphacetamide Sulphachloropyridazine Sulphadiazine Sulphadimethoxine Sulphadimidine Sulphadoxine Sulphaguanidine Sulphamerazine Sulphameter Sulphamethizole Sulphamethoxazole</p>		<p>Bovine, ovine, porcine kidney, avian, bovine and porcine muscle milk and avian egg</p>	<p>LC-MS/MS</p>	<p>CSD 309</p>

	Sulphamethoxypyridazine Sulphamonomethoxine Sulphamoxole Sulphanilamide Sulphapyridine Sulphaquinoxaline Sulphathiazole Sulphatroxazole Sulphisomidine Sulphisoxazole				
Quantitative Determination Of Tetracyclines **1234	Chlortetracycline Doxycycline Oxytetracycline Tetracycline		Bovine, ovine & porcine kidney, Bovine, ovine, porcine, avian & fish muscle and milk	LC-MS/MS	CSD 375
Quantitative Determination Of Tranquillisers **1234	Acepromazine Azaperone Azaperol Carazolol Chlorpromazine Haloperidol Propionylpromazine Xylazine		Bovine, ovine and porcine kidney	LC-MS/MS	CSD 390
Quantitative Determination Of Triphenylmethane phenothiazine & phenoxazine / oxazone dyes **1234	Azure Blue Blue BO Brilliant Green Crystal Violet Ethyl Violet Malachite Green Methylene Blue New Methylene Blue Nile Blue A Pararosaniline base Rhodamine 6G Victoria Blue B Victoria Blue R Victoria Pure Blue BO		Fish Muscle	LC-MS/MS	CSD 363

Screening For Paralytic Shellfish Poison	PSP Toxins		Shellfish	HPLC	CSD 408
Screening, quantification and confirmation of antimicrobials **1234	Amphenicol Thiamphenicol, Lincosamide Lincomycin Pirlimycin, Macrolide 3-O-Acetyltylosin Desmycosin (Tylosin B) ErythromycinA Gamithromycin Josamycin Spiramycin Tildipirosin Tilmicosin Tulathromycin Tylosin A Tylvalosin Penicillin/Cephalosporin Amoxicillin Ampicillin Cefacetrile Cefacetrile Cefalexin Cefalonium Cefapirin Cefazolin Cefoperazone Cefquinome Ceftiofur Cloxacillin Dicloxacillin Nafcillin Oxacillin PenG PenV,		Bovine, ovine and porcine kidney, milk	LC-MS/MS	CSD 398

	Pleuromutilin Tiamulin Valnemulin, Pyrimidine Trimethoprim Quinolone Ciprofloxacin Danofloxacin Difloxacin Enrofloxacin Flumequine Marbofloxacin Nalidixic acid Norfloxacin Ofloxacin Orbifloxacin Oxolinic acid Pefloxacin Sarafloxacin Rifamycin Rifampicin Sulphonamide (Sulfonamide) Dapsone Sulphabenzamide Sulphacetamide Sulphachloropyridazine Sulphadiazine Sulphadimethoxine Sulphadoxine Sulphaguanidine Sulphamerazine Sulphameter Sulphamethazine Sulphamethizole Sulphamethoxazole Sulphamethoxypyridazine Sulphamoxole Sulphapyridine				
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		Sulphaquinoxaline Sulphathiazole Sulphatroxazole Sulphisomidine Tetracycline Chlortetracycline Doxycycline Oxytetracycline Tetracycline 4- Epichlortetracycline 4- Epioxytetracycline 4- Epitecycline				
752 Chemical residue testing - .02 Elements	The Determination Of Elemental Concentrations	Arsenic Cadmium Calcium Cobalt Copper Iron Lead Selenium Sodium Phosphorus Magnesium Manganese Zinc		Compound Feed and Mineral Feed	Microwave Digestion followed by ICP-OES	PRL 182
	The Determination Of Mercury	Mercury		Compound Feed and Mineral Feed	Microwave Digestion Followed by Atomic Fluorescence Spectroscopy	PRL 189
752 Chemical residue testing - .04 Pesticide residues	Determination of highly polar pesticides **1234	AMPA, Glyphosate, Glufosinate, MPPA 0, NAG		Red meat and Milk	LC-MS/MS	CSD 607
	Screening, quantification and confirmation of	4,4-Methoxychlor Aldrin Azinphos ethyl		Meat and Meat Products, Fish and	QuEChERS Extraction and GC-MS/MS	CSD 603

	pesticides and organic contaminants **1234	Bifenthrin Bromophos ethyl Bromophos methyl Carbophenothion Chlorfenvinphos Chlorobenzilate Chlorpyriphos Chlorpyriphos methyl Coumaphos Cyfluthrin Cypermethrin Deltamethrin Diazinon Dieldrin Endosulphan Sulphate Endrin Famoxadone Fenchlorphos Fenitrothion Fenvalerate Fipronil Fipronil Sulphone Fluvalinate HCB Heptachlor Lambda Cyhalothrin Malathion Methacriphos Methidathion Mevinphos Nitrofen Oxychlorane PCB 52 PCB 101 PCB 118 PCB 138 PCB 153 PCB 180		Fish Products and Milk		
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	PCB 28 Paraoxon methyl Parathion Parathion methyl Pendimethalin Pentachloroaniline Permethrin Pirimiphos methyl Profenofos Propetamphos Pyrazophos Quintozene Resmethrin Tecnazene Tetrachlorvinphos Tetramethrin Triazophos Vinclozolin a Chlordane a Endosulphan a HCH b Endosulphan b HCH cis Heptachlor Epoxide g Chlordane g HCH op DDT pp DDE pp DDT pp TDE trans Heptachlor Epoxide Indoxacarb (milk only)				
The Determination Of Residues of Pesticides and Organic Contaminants **1234	4,4-Methoxychlor Aldrin Azinphos ethyl Bifenthrin Bromophos ethyl Bromophos methyl		Animal Products, Fats and Oils, Butter, Cheese, Meat and Meat Products, Fish and	GC-MS/MS	PRL 166

	Carbophenothion Chlorfenvinphos Chlorobenzilate Chlorpyriphos methyl Coumaphos Cyfluthrin Cypermethrin Deltamethrin Diazinon Dichlorvos Dieldrin Endosulphan Sulphate Endrin Fenchlorphos Fenitrothion Fenthion Fenvalerate HCB Heptachlor Lambda Cyhalothrin Malathion Methacriphos Methidathion Mevinphos Nitrofen Oxychlorthane PCB 101 PCB 118 PCB 138 PCB 153 PCB 180 PCB 28 PCB 52 Paraoxon methyl Parathion Parathion methyl Pentachloroaniline Permethrin Pirimiphos methyl		Fish Products (excluding offal)		
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		Profenofos Propetamphos Pyrazophos Quintozene Resmethrin Tecnazene Tetrachlorvinphos Tetramethrin Triazophos Vinclozolin a Chlordane a Endosulphan a HCH b Endosulphan b HCH cis Heptachlor Epoxide g Chlordane g HCH op DDT pp DDE pp DDT pp TDE Trans Heptachlor Epoxide				
752 Chemical residue testing - .05 Organic contaminants	Quarternary ammonium compounds (QACs) **1234	Benzyl dimethyl decyl ammonium chloride (BAC10) Benzyl dimethyl dodecyl ammonium chloride (BAC12) Benzyl dimethyl tetradecyl ammonium chloride (BAC14) Benzyl dimethyl hexadecyl ammonium chloride (BAC16) Didecyl dimethyl		Meat, seafood and animal fat, cheese and milk	LC-MS/MS with QuEChERS extraction	PRL 192 in house method

		ammonium chloride (DDAC)				
	The Determination Of Glyceroltriheptanoate **1234	Glyceroltriheptanoate		Meat and Bonemeal (MBM) and Tallow, Rendered Oils	GC-MS	PRL 172