

# Accreditation Certificate

## The Irish Equine Foundation Ltd.

Trading as The Irish Equine Centre and its wholly owned subsidiary

Irish Diagnostic Laboratory Services (IDLS) Ltd.

Johnstown, Naas, Co.Kildare

**Testing Laboratory**

**Registration number: 151T**

is accredited by the Irish National Accreditation Board (INAB) to undertake testing as detailed in the Schedule bearing the Registration Number detailed above, in compliance with the International Standard ISO/IEC 17025:2005 2<sup>nd</sup> Edition "General Requirements for the Competence of Testing and Calibration Laboratories" *(This Certificate must be read in conjunction with the Annexed Schedule of Accreditation)*

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Date of award of accreditation: 05:04:2004

Date of last renewal of accreditation: 27:03:2014

Expiry date of this certificate of accreditation: 27:03:2019

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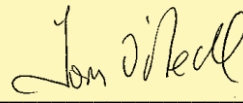
This Accreditation shall remain in force until further notice subject to continuing compliance with INAB accreditation criteria, ISO/IEC 17025 and any further requirements specified by the Irish National Accreditation Board.

Manager: \_\_\_\_\_



Dr Adrienne Duff

Chairperson: \_\_\_\_\_



Mr Tom O' Neill

Issued on 27 March 2014

Organisations are subject to annual surveillance and are re-assessed every five years. The renewal date on this Certificate confirms the latest date of renewal of accreditation. To confirm the validity of this Certificate, please contact the Irish National Accreditation Board.

The INAB is a signatory of the European co-operation for Accreditation (EA) Testing Multilateral Agreement (MLA) and the International Laboratory Accreditation Cooperation (ILAC) Mutual Recognition Arrangement.

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# Schedule of Accreditation



(Annex to Accreditation Certificate)

Permanent Laboratory:

Category A

## THE IRISH EQUINE FOUNDATION LTD.

Trading as The Irish Equine Centre and its wholly owned subsidiary  
Irish Diagnostic Laboratory Services (IDLS) Ltd.

### Biological, Chemical and Veterinary Testing Laboratory

*Initial Registration Date :* 5-April-2004  
*Postal Address:* Johnstown  
*(Address of other locations as they apply)* Naas  
Co Kildare  
*Telephone:* +353 (45) 866266  
*Fax:* +353 (45) 866273  
*E-mail:*  
*Contact Name:* Tom Buckley  
*Facilities:* Public testing service

# Schedule of Accreditation



Permanent Laboratory:  
Category A

THE IRISH NATIONAL ACCREDITATION BOARD (INAB) is the Irish body for the accreditation of organisations including laboratories.

Laboratory accreditation is available to testing and calibration facilities operated by manufacturing organisations, government departments, educational institutions and commercial testing/calibration services. Indeed, any organisation involved in testing, measurement or calibration in any area of technology can seek accreditation for the work it is undertaking.

Each accredited laboratory has been assessed by skilled specialist assessors and found to meet criteria which are in compliance with ISO/IEC 17025 or ISO/IEC 15189 (medical laboratories). Frequent audits, together with periodic inter-laboratory test programmes, ensure that these standards of operation are maintained.

## Testing and Calibration Categories:

- Category A:** Permanent laboratory calibration and testing where the laboratory is erected on a fixed location for a period expected to be greater than three years.
- Category B:** Site calibration and testing that is performed by staff sent out on site by a permanent laboratory that is accredited by the Irish National Accreditation Board.
- Category C:** Site calibration and testing that is performed in a site/mobile laboratory or by staff sent out by such a laboratory, the operation of which is the responsibility of a permanent laboratory accredited by the Irish National Accreditation Board.
- Category D:** Site calibration and testing that is performed on site by individuals and organisations that do not have a permanent calibration/testing laboratory. Testing may be performed using
- (a) portable test equipment
  - (b) a site laboratory
  - (c) a mobile laboratory or
  - (d) equipment from a mobile or site laboratory

## Standard Specification or Test Procedure Used:

The standard specification or test procedure that is accredited is the issue that is current on the date of the most recent visit, unless otherwise stated.

## Glossary of Terms

### Facilities:

- Public calibration/testing service:** Commercial operations which actively seek work from others.
- Conditionally available for public calibration/testing:** Established for another primary purpose but, more commonly than not, is available for outside work.
- Normally not available for public calibration/testing:** Unavailable for public calibration/testing more often than not.

Laboratory users wishing to obtain assurance that calibration or test results are reliable and carried out to the Irish National Accreditation Board criteria should insist on receiving an accredited calibration certificate or test report. Users should contact the laboratory directly to ensure that this scope of accreditation is current. INAB will, on request, verify the status and scope.

# Scope of Accreditation



## THE IRISH EQUINE FOUNDATION LTD.

### Biological Testing Laboratory

Permanent Laboratory:  
Category A

| INAB Classification number (P9)<br>Materials/products tested   | Type of test/properties measured<br>Range of measurement                                 | Standard specifications<br>Equipment/techniques used            |
|--|--|---|
| 802 Tests on veterinary pharmaceutical and biological products |  | Documented in-house six plate method:                           |
| .99 Other tests<br>( <i>Animal Tissues</i> )                   | Detection (not including identification) of anti-microbial substances in animal tissues. | P5.091 based on EC four Plate Method 1974<br>Bogaerts and Wolfe |

# Scope of Accreditation



## THE IRISH EQUINE FOUNDATION LTD.

Permanent Laboratory:  
Category A

### Biological Testing Laboratory

| INAB Classification number (P9)<br>Materials/products tested  | Type of test/properties measured<br>Range of measurement  | Standard specifications<br>Equipment/techniques used   |
|---|---|--|
| 811<br>Microbiological tests<br>on foods  |   | Documented in-house methods  |
| .03<br>Meat and meat products, game and poultry   | Product wash method for the isolation of <i>Salmonella</i> from poultry   | P5.053 based on ISO 6579-1: 2017   |
| .03<br>Meat and meat products, game and poultry<br>.23<br>Animal Feeds<br>.21<br>Others<br><i>Boot socks</i><br><i>Hatcher basket liners</i><br><i>Faecal material</i><br><i>Swabs</i><br><i>Dust</i> | Isolation of <i>Salmonella</i> from poultry, (including primary production stage).<br>Poultry products and food samples.  | P5.020<br>Based on ISO 6579-1: 2017  |
| .03<br>Meat and meat products, game and poultry   | Detection of campylobacter species from poultry and poultry products<br><br>Detection of <i>Trichinella</i> in porcine and equine muscle by magnetic stirrer method for pepsin digestion.<br><br>Detection of <i>Listeria monocytogenes</i> and other listeria species. | P5.065 based on ISO 10272-1: 2006<br><br>Documented in house method P5.5.102 based on EC 2075/2005 , official controls for <i>Trichinella</i> in Meat 2005, OJ L 338/60<br><br>P5.061 based on ISO11290-1, 1996/AMD 1:2004 |

# Scope of Accreditation



## THE IRISH EQUINE FOUNDATION LTD.

Permanent Laboratory:  
Category A

### Biological Testing Laboratory

| INAB Classification number (P9)<br>Materials/products tested   | Type of test/properties measured<br>Range of measurement   | Standard specifications<br>Equipment/techniques used  |
|--|--|---|
| 803 Tests on<br>Foods/Stockfoods and<br>their Additives<br><br>.99 Other tests<br>( <i>Animal Feeding Stuffs</i> ) | Method for the analysis of animal<br>feeding stuffs for constituents of<br>animal origin (Qualitative)<br><br>Extraction of ruminant DNA by real-<br>time PCR by Commission Regulation | Documented in-house<br>methods<br><br>P5.089 based on<br>Commission Regulation<br>(EC) 152/2009 amended<br>by Commission<br>regulation (EU) No<br>51/2013.<br><br>P5.127<br>P5.128<br>P5.129<br>based on Commission<br>Regulation (EC) 52/2009<br>amended by<br>Commission regulation<br>(EU) No 51/2013. |
| 819 Microbiological tests<br>on other materials<br><br>.99 Compost   | Microbiological method for the<br>enumeration of <i>E.coli</i> and the<br>detection of <i>Salmonella</i> .   | P5.126<br>based on BSI PAS:100<br>Specification for<br>composted material<br>and ISO 16649-2:2001.  |
| 817 Testing of Surfaces in<br>Abattoirs<br><br>.01 Meat Surfaces<br>.02 Product Contact<br>Surfaces                | Detection of specified risk material   | Documented in-house<br>method by ELISA<br><br>P5.5.110  |

# Scope of Accreditation



## THE IRISH EQUINE FOUNDATION LTD.

### Chemical Testing Laboratory

Permanent Laboratory:

Category A

| INAB Classification number (P9)<br>Materials/products tested | Type of test/properties measured<br>Range of measurement   | Standard specifications<br>Equipment/techniques used |
|--|--|--|
| 771 Biological monitoring                                    | Screening methods for the detection of veterinary drug residues in animal tissues, biological fluids, honey and water (See detailed list in Annex I) | Documented in-house methods.                         |
| .21 Drugs and drug metabolites                               | Corticosteroids in bovine, equine, porcine and ovine urine & bovine and caprine milk   | P5.5.86 (by ELISA)                                   |
|  | Corticosteroids in fish  | P5.5.101 (by ELISA)                                  |
|  | Trenbolone in avian liver & avian and porcine serum  | P5.5.81 (by ELISA)                                   |
|  | Trenbolone in bovine urine   | P5.5.127 (by ELISA)                                  |
|  | Testosterone in bovine serum   | P5.5.104 (by ELISA)                                  |
|  | Stilbenes in porcine and avian serum, avian liver and bovine, ovine, porcine, equine and cervine urine   | P5.5.84 (by ELISA)                                   |
|  | Estradiol in bovine serum  | P5.5.122 (by Immulite)                               |
|  | Sulphonamides in avian muscle and honey  | P5.5.123 (by Biochip)                                |

# Scope of Accreditation



## THE IRISH EQUINE FOUNDATION LTD.

### Chemical Testing Laboratory

Permanent Laboratory:

Category A

| INAB Classification number (P9)<br>Materials/products tested | Type of test/properties measured<br>Range of measurement  | Standard specifications<br>Equipment/techniques used |
|--|---|--|
| 771 Biological monitoring                                    | Screening methods for the detection of veterinary drug residues in animal tissues, biological fluids, honey and water | Documented in-house methods                          |
| .21 Drugs and drug metabolites                               | Boldenone in bovine, porcine and ovine urine  | P5.5.89 (by ELISA)                                   |
|  | Chloramphenicol in egg, avian liver and tissue, honey, avian serum and porcine urine                                  | P5.5.78 (by ELISA)                                   |
|  | Chloramphenicol in bovine and caprine milk  | P5.5.79 (by ELISA)                                   |
|  | Chloramphenicol in fish   | P5.5.103 (by ELISA)                                  |
|  | Methyltestosterone in porcine serum   | P5.5.87 (by ELISA)                                   |
|  | Methyltestosterone in fish  | P5.5.106 (by ELISA)                                  |



# Scope of Accreditation



## THE IRISH EQUINE FOUNDATION LTD.

### Chemical Testing Laboratory

Permanent Laboratory:  
Category A

| INAB Classification number (P9)<br>Materials/products tested | Type of test/properties measured<br>Range of measurement  | Standard specifications<br>Equipment/techniques used |
|--|---|--|
| <b>771 Biological monitoring</b>                             | Screening methods for the detection of veterinary drug residues in animal tissues, biological fluids, honey and water | Documented in-house methods                          |
| <b>.21 Drugs and drug metabolites</b>                        | Stanozolol/16-beta-hydroxy-stanozolol in bovine urine   | P5.5.108 (by ELISA)                                  |
|  | Estradiol in fish   | P5.5.107 (by ELISA)                                  |
|  | Estradiol and ethinylestradiol in bovine and caprine milk   | P5.5.112 (by ELISA)                                  |
|  | Phenylbutazone in bovine, equine and porcine plasma   | P5.5.114 (by ELISA)                                  |
|  | Streptomycin in honey   | P5.5.119 (by ELISA)                                  |
|  | Nortestosterone in bovine urine   | P5.5.121 (by ELISA)                                  |
|  | Ethinylestradiol in bovine and porcine urine  | P5.5.124 (by ELISA)                                  |
|  | Progesterone in bovine serum  | P5.5.100 (by Immulite)                               |
|  | Synthetic steroids in bovine urine  | P5.5.145 (by Biochip)                                |

# Scope of Accreditation



## THE IRISH EQUINE FOUNDATION LTD.

### Chemical Testing Laboratory

Permanent Laboratory:  
Category A

| INAB Classification number (P9)<br>Materials/products tested | Type of test/properties measured<br>Range of measurement   | Standard specifications<br>Equipment/techniques used   |
|--|--|--|
|  | Phenylbutazone in equine plasma  | Documented in-house methods by ELISA<br>P5.7.002 based on detection of phenylbutazone in equine plasma. FEI: Veterinary regulations 11th Edition Jan 2009. |
| <b>771</b><br><br>.21  | <b>Biological monitoring</b><br><br>Drugs and drug metabolites   | Screening methods for the detection of veterinary drug residues in animal tissues and biological fluids  |
|  | Bacitracin in bovine, porcine and avian muscle<br>LOD/CCB 10ng/g   | Documented in house method<br><br>P5.5.133 (by ELISA)  |
|  | Beta-agonists (clenbuterol) in bovine urine and avian liver (clenbuterol, cimbuterol, mabuterol and brombuterol) | P5.5.85 (by ELISA)   |

Note: procedures on pages 7-10 are screening methods only that may produce presumptive positive results which may then be forwarded to a confirmatory laboratory.

Note: see Annex 1 for list of Analytes, Matrices and Limits of Detection.

# Scope of Accreditation



## ▶ THE IRISH EQUINE FOUNDATION LTD.

Permanent Laboratory:  
Category A

### Chemical Testing Laboratory

| INAB Classification number (P9)<br>Materials/products tested | Type of test/properties measured<br>Range of measurement                                  | Standard specifications<br>Equipment/techniques used |
|--|---|--|
| 756<br>Drugs &<br>Pharmaceuticals                            |   |  |
| .01<br>Equine plasma/serum                                   | Presence or absence of 40 prohibited substances.<br>List is maintained by the laboratory. | P5.7.006<br>by UPLC-TOF MS                           |

# Scope of Accreditation



## THE IRISH EQUINE FOUNDATION LTD.

Permanent Laboratory:  
Category A

### Veterinary Testing Laboratory

| INAB Classification number (P9)<br>Materials/products tested   | Type of test/properties measured<br>Range of measurement   | Standard specifications<br>Equipment/techniques used  |
|--|--|---|
| <p><b>1311 Bacteriology</b><br/>.01 Diagnostic bacteriology incorporating identification by simple microscopy, cultural methods of detection and identification of organisms</p> | <p>Examination of specimens/swabs for <i>Tylorella equigenitalis</i>, <i>Klebsiella pneumoniae</i> and <i>Pseudomonas aeruginosa</i></p> | <p>P5.052<br/>Based on OIE Terrestrial Manual 2012, Chapter 2.5.2 - CEM Code of Practice on Contagious equine metritis:</p> |

# Scope of Accreditation



## THE IRISH EQUINE FOUNDATION LTD.

### Veterinary Testing Laboratory

Permanent Laboratory:

Category A

| INAB Classification number (P9)<br>Materials/products tested   | Type of test/properties measured<br>Range of measurement   | Standard specifications<br>Equipment/techniques used   |
|--|--|--|
| 1314 Virology<br><br>.01 Diagnostic Virology -<br>Non-cultural<br>(immunological)<br>methods of detection -<br>- <i>equine</i> | Detection and quantification of antibodies in serum to equine influenza by single radial haemolysis (SRH) test   | Documented in house method P2.022 based on OIE Terrestrial Manual 2008 chapter 2.5.7 Equine Influenza Section 2b.  |
| 1314 Virology<br><br>.01 Diagnostic Virology -<br>Non-cultural<br>(immunological)<br>methods of detection<br>- <i>bovine</i>   | Detection of antibodies in serum/plasma directed against bluetongue virus VP7 protein using ID Vet cELISA kit.<br><br>Detection of antibodies to bovine viral diarrhoea (BVD) in milk and serum/plasma using the IDEXX ELISA kit.<br><br>Detection of antibodies to bovine herpesvirus 1 (BHV-1) (IBR) in milk and serum/plasma using the IDEXX ELISA kit.<br><br>Detection of antibodies to the gE antigen of bovine herpesvirus type 1 (BHV-1) (IBR) using the IDEXX BHV-1 kit | PA2.020 based on EC 1266/2007<br><br>PA2.023 based on OIE Manual Chapter 2.4.8 for BVD<br><br>PA2.024 based on OIE manual 2.4.13 for IBR<br><br>PA2.026 based on OIE manual chapter 2.4.13 |

# Scope of Accreditation



**THE IRISH EQUINE FOUNDATION LTD.**

**Veterinary Testing Laboratory**

Permanent Laboratory:

Category A

| INAB Classification number (P9)<br>Materials/products tested   | Type of test/properties measured<br>Range of measurement  | Standard specifications<br>Equipment/techniques used  |
|--|---|---|
| <b>1314 Virology</b><br><br>.01 Diagnostic Virology -<br>Non-cultural<br>(immunological)<br>methods of detection<br>- <i>porcine</i> | Detection of antibodies to<br>porcine reproductive and<br>respiratory syndrome virus<br>(PRRSV) in serum by ELISA                             | Documented in house<br>method PA2.042 based on<br>IDEXX ELISA kit insert<br>Porcine reproductive and<br>respiratory syndrome virus<br>antibody test kit insert. |
| <b>1314 Virology</b><br><br>.03 Immunological<br>methods for antigen<br>detection<br>- <i>bovine</i>                                 | Detection of bovine viral<br>diarrhoea virus (BVDV) antigens<br>in serum, plasma and ear notch<br>tissue using the IDEXX antigen<br>test kit. | PA2.025 based on OIE<br>manual chapter 2.4.8  |

# Scope of Accreditation



## THE IRISH EQUINE FOUNDATION LTD.

### Veterinary Testing Laboratory

Permanent Laboratory:

Category A

| INAB Classification number (P9)<br>Materials/products tested   | Type of test/properties measured<br>Range of measurement   | Standard specifications<br>Equipment/techniques used  |
|--|--|---|
| <b>1314 Virology</b><br><br>.05 Identification by molecular techniques (Quantitative)<br>- <i>equine</i>   | Molecular method for the quantification of influenza type A nucleic acid in nasal swabs  | Applied Biosystems PCR Vet Max Taqman Kit Insert PM2.023<br>Based on: OIE manual, Chapter 2.5.7 and Reference Journal of Veterinary Diagnostic Investigation  |
| <b>1314 Virology</b><br><br>.05 Identification by molecular techniques (Qualitative)<br>- <i>equine</i>  | Molecular method for the detection of influenza type A nucleic acid in nasal swabs and confirmation of equine influenza  | PM2.032 based on:<br>AgPath-ID™ One-Step RT-PCR Kit User Guide (Applied Biosystems; Rev G)<br>Vetmax™ - Plus One-Step RT-PCR Kit Protocol (Applied Biosystems; Rev C, 09/2010)<br>OIE manual, Chapter 2.5.7.<br>PM2.019 Kingfisher extraction PM2.019 or PM2.009 manual extraction. |
| <b>1314 Virology</b><br><br>.05 Identification by molecular techniques (Qualitative)<br>- <i>bovine</i><br><br>(Quantitative)<br>- <i>equine</i> | Molecular and screening method for the detection of bovine viral diarrhoea (BVD) virus nucleic acid in serum, EDTA blood, milk and ear notch tissue.<br><br>Molecular method for the quantification of equine herpesvirus Type 1 (EHV) nucleic acid in nasal swabs & heparinised bloods. | PM2.015 based on OIE Manual 2010 (online) Chapter 2.4.8<br>Kingfisher extraction procedure PM2.019<br><br>Applied Biosystems OCR Vet Max Taqman Kit Insert PM2.022 Based on: OIE Manual, Chapter 2.5.9 and Reference Journal of   |

# Scope of Accreditation



## THE IRISH EQUINE FOUNDATION LTD.

### Veterinary Testing Laboratory

Permanent Laboratory:

Category A

| INAB Classification number (P9)<br>Materials/products tested   | Type of test/properties measured<br>Range of measurement  | Standard specifications<br>Equipment/techniques used   |
|--|---|--|
| (Qualitative)<br>- <i>porcine</i>  | Molecular method for the detection of porcine reproductive and respiratory syndrome virus (PRRSV) nucleic acid in oral fluids, blood and semen. | Diagnostic Investigation<br><br>Documented LSI RT-PCR Taqman Kit for the detection of PRRS.<br>PM2.021 Based on: OIE Manual, Report of the OIE AD HOC group on PRRS. |
| 1314 Virology<br>.01 Diagnostic virology<br>- Non-cultural<br>(Immunological methods of detection)<br>(Qualitative)<br>- <i>equine</i> | Detection of equine herpesvirus type 1 nucleic acid   | PM2.034 based on:<br>AgPath-ID One Step RT-PCR Kit Protocol & VetMax-ID One-Step RT-PCR Protocol.<br>Kingfisher extraction<br>PM2.019 or manual extraction PM2.001   |
| 1325 Virology<br>.04 Haemagglutination inhibition<br>- <i>equine</i>   | Haemagglutination inhibition procedure for the detection and quantification of equine influenza virus antibodies in serum                       | P2.014<br>P2.014 based on the OIE Terrestrial Manual (2015) Chapter 2.5.7.   |
| 1315 Prions<br>.02 Detection of prion protein by immunological methods   | Qualitative detection of BSE prion protein by using the Prionics-check Priostrip test for brain tissue and spinal cord (cattle)                 | P5.1.036 based on EU validated test method for BSE detection   |



# Scope of Accreditation



## THE IRISH EQUINE FOUNDATION LTD.

### Veterinary Testing Laboratory

Permanent Laboratory:

Category A

| INAB Classification number (P9)<br>Materials/products tested                             | Type of test/properties measured<br>Range of measurement  | Standard specifications<br>Equipment/techniques used   |
|--|---|--|
| <b>1311 Bacteriology</b><br><br>.99 Enzyme linked immunosorbent assays                   | Detection of <i>Leptospira interrogans</i> antibodies in bovine serum.  | SOP P5.3.003<br>PrioCHECK kit.                         |
| <b>1320 Parasitology</b><br><br>.02 Immunological methods of identification              | Detection of <i>Neospora caninum</i> antibodies in bovine serum.  | SOP P5.3.002<br>INGEZIM test kit.                      |
| <b>1371 Johne's Disease</b><br><br>.30 Molecular methods of detection and identification | Analysis of bovine, ovine and caprine faecal samples for the detection of <i>Mycobacterium avium</i> subsp. <i>paratuberculosis</i> (MAP) using real-time Polymerase Chain Reaction (PCR) technology. | SOP P5.3.001<br>by PCR - ADIAVET PARATB Real Time kit. |
| .13 Enzyme linked immunosorbent assays   | Analysis of bovine serum / milk samples for the presence of antibodies to <i>Mycobacterium avium</i> subsp. <i>paratuberculosis</i>   | PARACHEK <sup>®</sup> 2 test kit<br>SOP P5.114         |

## Annex 1

### Analytes, Matrices and Limits of Detection

| Analyte                 | Matrix/Species                                    | SOP Reference | Validated Limit |
|-------------------------|---|---------------|-----------------|
| Boldenone               | Urine/bovine,<br>porcine and ovine                | P5.5.89       | 1.5 µg/l        |
| Chloramphenicol         | Egg   | P5.5.78       | 0.25 µg/kg      |
|                         | Milk/bovine,<br>caprine                           | P5.5.79       | 0.20 µg/l       |
|                         | Liver tissue/avian                                | P5.5.78       | 0.25 µg/kg      |
|                         | Honey   | P5.5.78       | 0.25 µg/kg      |
|                         | Serum/avian                                       | P5.5.78       | 0.25 µg/l       |
|                         | Urine/porcine                                     | P5.5.78       | 0.25 µg/l       |
|                         | Fish  | P5.5.103      | 0.25 µg/kg      |
| Clenbuterol             | Liver/avian                                       | P5.5.85       | 0.5 µg/kg       |
|                         | Urine/bovine                                      | P5.5.85       | 1.0 µg/l        |
| Hexestrol               | Liver/avian                                       | P5.5.84       | 2.0 µg/kg       |
|                         | Urine/bovine,ovine,<br>porcine,equine,<br>Cervine | P5.5.84       | 1.0 µg/l        |
|                         | Serum/porcine,<br>Avian                           | P5.5.84       | 2.0 µg/l        |
| Dienestrol              | Liver/avian                                       | P5.5.84       | 2.0 µg/kg       |
|                         | Urine/bovine,ovine,<br>porcine,equine,<br>cervine | P5.5.84       | 1.0 µg/l        |
|                         | Serum/porcine,<br>avian                           | P5.5.84       | 2.0 µg/l        |
| Diethylstilbesterol     | Liver/avian                                       | P5.5.84       | 2.0 µg/kg       |
|                         | Urine/bovine,ovine,<br>porcine,equine,<br>cervine | P5.5.84       | 1.0 µg/l        |
|                         | Serum/porcine,<br>avian                           | P5.5.84       | 2.0 µg/l        |
| Trenbolone              | Liver/avian                                       | P5.5.81       | 2.0 µg/kg       |
|                         | Serum/avian,<br>porcine                           | P5.5.81       | 2.0 µg/l        |
|                         | Urine/bovine                                      | P5.5.127      | 2.0 µg/kg       |
| Methyltestosterone      | Serum/porcine                                     | P5.5.87       | 0.75 µg/l       |
|                         | Fish  | P5.5.106      | 1.5 µg/kg       |
| Specified Risk Material | Swabs   | P5.5.110      | 0.1%            |

## Annex 1 Continued

### Analytes, Matrices and Limits of Detection

| Analyte  | Matrix/Species                             | SOP Reference        | Validated Limit                  |
|--|--|----------------------|----------------------------------|
| Progesterone   | Serum/bovine                               | P5.5.100             | 1.0 µg/l                         |
| Stanozolol+16-Beta-Hydroxy-Stanozolol  | Urine/bovine                               | P5.5.108             | 2.0 µg/l                         |
| Testosterone   | Serum (female)                             | P5.5.104             | 0.5 µg/l                         |
|  | Serum (male)<br>/bovine                    | P5.5.104             | 10.0 µg/l                        |
| Estradiol  | Fish                                       | P5.5.107             | 1.5 µg/kg                        |
|  | Milk/bovine,<br>caprine                    | P5.5.112             | 1.0 µg/l                         |
|  | Serum/bovine                               | P5.5.122             | 0.1µg/l                          |
| Ethinylestradiol   | Milk/bovine,<br>caprine                    | P5.5.112             | 1.0 µg/l                         |
|  | Urine/bovine                               | P5.5.124             | 1.0 µg/l                         |
| Streptomycin   | Honey                                      | P5.5.119             | 40 µg/kg                         |
| Phenylbutazone   | Plasma/bovine,<br>Equine, porcine          | P5.5.114             | 5.0 µg/l                         |
| Nortestosterone  | Urine/bovine                               | P5.5.121             | 2.0 µg/l                         |
| <u>Sulphonamides</u><br>Sulphadiazine<br>Sulphadimethoxine<br>Sulphathiazole<br>Sulphasoxazole<br>Sulfamethoxyipyridazine<br>Sulphachloropyridazine<br>Sulphamethazine<br>Sulphapyridine<br>Sulphamerazine<br>Sulphamethiazole<br>Sulphadoxine | Muscle/avian<br>Honey                      | P5.5.123<br>P5.5.123 | 50 µg/kg<br>25 µg/kg             |
| <u>Synthetic steroids in Urine</u><br>Methyltestosterone<br>Ethinylestradiol<br>Medroxyprogesterone acetate  | Urine/bovine                               | P5.5.145             | 1.0 µg/l<br>0.5 µg/l<br>0.5 µg/l |
| <u>Corticosteroids</u><br>Dexamethasone  | Urine/bovine,<br>equine, porcine,<br>ovine | P5.5.86              | 2.0 ng/ml                        |
|  | Milk/bovine,<br>caprine                    | P5.5.86              | 1.0 ng/ml                        |
|  | Fish                                       | P5.5.101             | 1.5 ng/g                         |

## Annex 1 Continued

### Analytes, Matrices and Limits of Detection

| Analyte                                 | Matrix/Species                             | SOP Reference | Validated Limit |
|---|--|---------------|-----------------|
| <u>Corticosteroids</u><br>Betamethasone | Urine/bovine,<br>Equine, porcine,<br>ovine | P5.5.86       | 4.0 ng/ml       |
|   | Milk/bovine,<br>caprine                    | P5.5.86       | 2.0 ng/ml       |
|   | Fish                                       | P5.5.101      | 1.5 ng/g        |
| <u>Corticosteroids</u><br>Flumethasone  | Urine/bovine,<br>equine, porcine,<br>ovine | P5.5.86       | 4.0 ng/ml       |
|   | Milk/bovine,<br>caprine                    | P5.5.86       | 2.0 ng/ml       |
|   | Fish                                       | P5.5.101      | 1.5 ng/g        |
| Bacitracin                              | Tissue/bovine,<br>porcine and avian        | P5.5.133      | 10 ng/g         |