# Schedule of Accreditation

**issued by**

**United Kingdom Accreditation Service**

2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

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**Agri-Food and Biosciences Institute (AFBI)**

**Veterinary Sciences Division**

**Issue No:** 038  
**Issue date:** 04 October 2017

<table>
<thead>
<tr>
<th>Location details</th>
<th>Activity</th>
<th>Location code</th>
</tr>
</thead>
</table>
| **Veterinary Science Division**  
Stoney Road  
Stormont  
Belfast  
Northern Ireland  
BT4 3SD | Chemistry  
Microbiological Serology  
Virology | A |
| **Address**  
Veterinary Sciences Division  
Stoney Road  
Stormont  
Belfast  
BT4 3SD | **Local contact**  
Cynthia McVeigh  
Tel: +44 (0)28 90 525628  
Fax: +44 (0)28 90 525773  
E-Mail: Cynthia.McVeigh@afbini.gov.uk  
Website: www.afbini.gov.uk | |
| **Address**  
Marine Ecology Section  
Agriculture, Food and Environment Sciences Division  
Newforge Lane  
Belfast  
BT9 5PX | **Local contact**  
Cynthia McVeigh  
Tel: +44 (0)28 90 525628  
Fax: +44 (0)28 90 525773  
E-Mail: Cynthia.McVeigh@afbini.gov.uk  
Website: www.afbini.gov.uk | B |
| **Testing performed by the Organisation at the locations specified below**

**Laboratory locations:**

<table>
<thead>
<tr>
<th>Location details</th>
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</tr>
</thead>
</table>
| **Address**  
Veterinary Sciences Division  
Stoney Road  
Stormont  
Belfast  
Northern Ireland  
BT4 3SD | Chemistry  
Microbiological Serology  
Virology | A |
| **Address**  
Marine Ecology Section  
Agriculture, Food and Environment Sciences Division  
Newforge Lane  
Belfast  
BT9 5PX | Seawater analysis | B |
## DETAIL OF ACCREDITATION

<table>
<thead>
<tr>
<th>Materials/Products tested</th>
<th>Type of test/Properties measured/Range of measurement</th>
<th>Standard specifications/Equipment/Techniques used</th>
<th>Location Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANIMAL TISSUES &amp; FLUIDS, ANIMAL FEEDS - AS SPECIFIED</td>
<td>Chemistry</td>
<td>Identification and quantification of residues of licensed veterinary medicinal drugs and unauthorised substances and marine biotoxins. Pesticides and organic contaminants</td>
<td>A</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Determination of Veterinary drugs encompassing: Amprolium Avilamycin Carbadox Chloramphenicol Chlortetracycline Clopidol Decoquinate Diclazuril Dimetridazole Emamectin Ethopabate Fenbendazole Florfenicol Flubendazole Halofuginone Ipronidazole Ivermectin Lasalocid Lincomycin Maduramicin Metronidazole Monensin Narasin Nicarbazin Olaquindox Oxytetracycline Penicillin V Robenidine Ronidazole</td>
<td>A</td>
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</table>

Methods developed and validated following the Flexible Scope procedure: CSD 380 by GC/MS/MS and LC-MS/MS

CSD 386 by LC-MS/MS
<table>
<thead>
<tr>
<th>Materials/Products tested</th>
<th>Type of test/Properties measured/Range of measurement</th>
<th>Standard specifications/Equipment/Techniques used</th>
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<tbody>
<tr>
<td>ANIMAL TISSUES &amp; FLUIDS, ANIMAL FEEDS - AS SPECIFIED (cont’d)</td>
<td>Chemistry (cont’d)</td>
<td>Documented in-house methods:</td>
<td></td>
</tr>
<tr>
<td>Animal Feedingstuffs (cont’d)</td>
<td>Determination of Veterinary drugs encompassing: (cont’d) Salinomycin Semduramicin Spiramycin Sulphadiazine Sulphamethazine Teflubenzuron Tiamulin Tilmicosin Trimethoprim Tylosin Tylvalosin Valnemulin</td>
<td>CSD 386 by LC-MS/MS</td>
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<tr>
<td>Animal Feedingstuffs</td>
<td>Nitrofuran parent drugs encompassing: Furazolidone Furaltadone Nitrofurantoin Nitrofurazone Nifursol</td>
<td>CSD 313 by LC-MS/MS</td>
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<tr>
<td>Avian and bovine muscle and bovine, ovine and porcine kidney, milk and eggs</td>
<td>Quinolones, including: Ciprofloxacin Danofloxacin Diflouxacin Enrofloxacin Flumequine Marbofloxacin Oxolinic acid</td>
<td>CSD 360 by LC-MS/MS</td>
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<tr>
<td>Bovine, ovine, porcine kidney and avian muscle</td>
<td>Amphenicol antibiotics: Florfenicol Florfenicol amine Thiampheplenic</td>
<td>CSD 146 using immunobiosensor</td>
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<tr>
<td>Avian muscle</td>
<td>Chloramphenicol</td>
<td>CSD 202 by SPR Biosensor</td>
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<tr>
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<td>Type of test/Properties measured/Range of measurement</td>
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<tr>
<td>ANIMAL TISSUES &amp; FLUIDS, ANIMAL FEEDS - AS SPECIFIED (cont'd)</td>
<td>Chemistry (cont'd)</td>
<td>Documented in-house methods:</td>
<td></td>
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<tr>
<td>Avian, bovine, ovine and porcine liver and egg</td>
<td>Coccidiostats encompassing: Clazuril Decoquinate Diclazuril Halofuginone Lasalocid Maduramicin Monensin Narasin Nicarbazin Robenidine Salinomycin Semduramicin</td>
<td>CSD 382 by LC-MS/MS</td>
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<tr>
<td>Equine plasma, milk</td>
<td>Phenylbutazone</td>
<td>CSD 317 by LC-MS/MS</td>
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<tr>
<td>Bovine and ovine urine</td>
<td>α- and β-Nortestosterone</td>
<td>CSD 331 by GC-MS/MS</td>
<td>A</td>
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<tr>
<td>Bovine, porcine, and ovine kidney; bovine, avian and porcine muscle and bovine milk</td>
<td>Aminoglycosides, encompassing: Apramycin Dihydrostreptomycin Gentamycin C1, C1a, C2/C2a Kanamycin Neomycin Paromomycin Spectinomycin Streptomycin</td>
<td>CSD 348 by LC-MS/MS</td>
<td>A</td>
</tr>
<tr>
<td>Bovine, ovine and porcine kidney</td>
<td>Tranquillisers: Acepromazine Azaperone Azaperol Carazolol Chlorpromazine Haloperidol Propionylpromazine Xylazine</td>
<td>CSD 390 by LC-MS/MS</td>
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<tr>
<td>Materials/Products tested</td>
<td>Type of test/Properties measured/Range of measurement</td>
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<tr>
<td>ANIMAL TISSUES &amp; FLUIDS, ANIMAL FEEDS - AS SPECIFIED (cont'd)</td>
<td>Chemistry (cont'd)</td>
<td>Documented in-house methods:</td>
<td></td>
</tr>
<tr>
<td>Bovine and porcine kidney, ovine kidney, avian liver and serum, turkey muscle, milk, egg and feedingstuffs</td>
<td>Nitromidazoles, encompassing: Dimetridazole Hydroxydimetridazole Hydroxyipronidazole Ipronidazole Metronidazole Ronidazole</td>
<td>CSD 337 by LC-MS/MS</td>
<td>A</td>
</tr>
<tr>
<td>Anti-parasitics including: 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 Mebendazole Mebendazole-amin Mebendazole-hydroxy Monepantel Morantel Moxidectin Niclozamide Nitrooxynil Oxibendazole Oxibendazole-amino Oxyclozanide Radoxanide</td>
<td>CSD 384 by LC-MS/MS</td>
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## Materials/Products tested

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<th>ANIMAL TISSUES &amp; FLUIDS, ANIMAL FEEDS - AS SPECIFIED (cont’d)</th>
<th>Type of test/Properties measured/Range of measurement</th>
<th>Standard specifications/Equipment/Techniques used</th>
<th>Location Code</th>
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<tbody>
<tr>
<td>Avian, bovine, ovine and porcine liver, bovine muscle and milk (cont’d)</td>
<td>Chemistry (cont’d)</td>
<td>Documented in-house methods:</td>
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<td>Anti-parasitics including: (cont’d)</td>
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<td>Thiabendazole</td>
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<td>Triclabendazole-sulphone</td>
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<td>Triclabendazole-sulphoxide</td>
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<td>Bovine kidney</td>
<td>Florfenicol</td>
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<td>Bovine liver</td>
<td>Imidocarb</td>
<td>CSD 377 by LC-MS/MS</td>
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<tr>
<td>Bovine liver</td>
<td>Imidocarb</td>
<td>CSD 135 SPR Immunobiosensor</td>
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<tr>
<td>Bovine urine</td>
<td>Chloramphenicol</td>
<td>CSD 205 by SPR Biosensor</td>
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<tr>
<td>Bovine urine</td>
<td>Ractopamine</td>
<td>CSD 128 by Immunobiosensor</td>
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<tr>
<td>Bovine urine</td>
<td>Zeranol and the Fusarium spp toxins, encompassing:</td>
<td>CSD 324 by LC-MS/MS</td>
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<td>α-Zearalenol</td>
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<td>Zearelenone</td>
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<td>Bovine urine</td>
<td>β-Agonists including, but not restricted to:</td>
<td>CSD 112 by SPR Biosensor</td>
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<tr>
<td></td>
<td>Bambuterol</td>
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<td>Clenbuterol</td>
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<td></td>
<td>Hydroxymethylclenbuterol</td>
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<td>Mabuterol</td>
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<td></td>
<td>Tulobuterol</td>
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<td></td>
</tr>
<tr>
<td>Bovine, ovine &amp; porcine kidney, Bovine, ovine, porcine, avian &amp; fish muscle and milk</td>
<td>Tetracyclines, including:</td>
<td>CSD 375 by LC-MS/MS</td>
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<tr>
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<td>Chlortetracycline</td>
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<tr>
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<td>Type of test/Properties measured/Range of measurement</td>
<td>Standard specifications/Equipment/Techniques used</td>
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<tr>
<td>ANIMAL TISSUES &amp; FLUIDS, ANIMAL FEEDS - AS SPECIFIED (cont'd)</td>
<td>Chemistry (cont'd)</td>
<td>Documented in-house methods:</td>
<td></td>
</tr>
<tr>
<td>Bovine, ovine and porcine kidney</td>
<td>Sedatives screen including, but not necessarily restricted to the following: Acepromazine, Carazolol, Chlorpromazine, Propionylpromazine</td>
<td>CSD 127 by ELISA</td>
<td>A</td>
</tr>
<tr>
<td>Bovine, ovine and porcine kidney, avian and fish muscle, bovine urine, milk; egg and honey</td>
<td>Chloramphenicol</td>
<td>CSD 301 by LC MS/MS</td>
<td>A</td>
</tr>
<tr>
<td>Bovine, ovine and porcine kidney, avian liver, milk, egg and avian serum</td>
<td>Nitromidazoles screen including, but not restricted to the following: Carnidazole and Ornidazole, Dimetridazole, Hydroxydimetridazole, Hydroxyipronidazole, Hydroxymetronidazole, Iprnidazole, Metronidazole, Rontidazole</td>
<td>CSD 113 by SPR Biosensor</td>
<td>A</td>
</tr>
<tr>
<td>Bovine, ovine and porcine kidney, avian muscle, milk and egg</td>
<td>Sulphonamides, including, but not limited to the following: Sulphadiazine, Sulphadoxine, Sulphamethazine, Sulphathiazole, Sulphaquinoxaline, Sulphatroxazole, Sulphamethoxypyridazine, Sulphachloropyridazine</td>
<td>CSD 210-213 by Thin Layer Chromatography</td>
<td>A</td>
</tr>
</tbody>
</table>
## Materials/Products tested

### ANIMAL TISSUES & FLUIDS, ANIMAL FEEDS - AS SPECIFIED (cont'd)

Bovine, Ovine and porcine kidney, avian, bovine and porcine muscle, milk and avian egg

<table>
<thead>
<tr>
<th>Type of test/Properties measured/Range of measurement</th>
<th>Standard specifications/Equipment/Techniques used</th>
<th>Location Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemistry (cont'd) Penicillins and Cephalosporins, including: Amoxicillin Ampicillin Cefalexin Cefalonium Cefapirin Cefazolin Cefoperazone Cefquinome Ceftiofur Cloxacillin Dicloxacillin Nafcillin Oxacillin Penicillin G Penicillin V</td>
<td>Documented in-house methods: CSD 344 by LC-MS/MS</td>
<td>A</td>
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</table>

Bovine, ovine and porcine kidney; avian and fish muscle; shrimp and eggs

<table>
<thead>
<tr>
<th>Type of test/Properties measured/Range of measurement</th>
<th>Standard specifications/Equipment/Techniques used</th>
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</tr>
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<tbody>
<tr>
<td>Nitrofuran metabolites, encompassing: AHD AMOZ AOZ SEM</td>
<td>CSD 303 by LC MS/MS</td>
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</table>

Bovine, ovine and porcine liver

<table>
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<tr>
<th>Type of test/Properties measured/Range of measurement</th>
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<th>Location Code</th>
</tr>
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<tbody>
<tr>
<td>Corticosteroids, encompassing: Beclomethasone Betamethasone Cortisol Cortisone Dexamethasone Flucinolone acetonide Flumethasone Flunisolide Flurometholone Methylprednisolone Prednisolone Prednisone Triamcinolone acetonide</td>
<td>CSD 335 by LC-MS/MS</td>
<td>A</td>
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<tr>
<td>Materials/Products tested</td>
<td>Type of test/Properties measured/Range of measurement</td>
<td>Standard specifications/Equipment/Techniques used</td>
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<td>ANIMAL TISSUES &amp; FLUIDS, ANIMAL FEEDS - AS SPECIFIED (cont’d)</td>
<td>Chemistry (cont’d)</td>
<td>Documented in-house methods:</td>
</tr>
<tr>
<td>Bovine, ovine and porcine liver and urine; avian liver, bovine retina and animal feedingstuffs</td>
<td>β-Agonist confirmation encompassing:</td>
<td>CSD 306 by LC MS/MS</td>
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<tr>
<td></td>
<td>Brombuterol</td>
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<td>Terbutaline</td>
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<td>Tulobuterol</td>
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<tr>
<td></td>
<td>Zilpaterol</td>
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<tr>
<td>Bovine, ovine and porcine liver, equine kidney, bovine and equine muscle</td>
<td>Non-Steroidal Anti-Inflammatory drugs encompassing:</td>
<td>CSD 340 by LC-MS/MS</td>
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<td>Tolfenamic acid</td>
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<tr>
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<td>Vedaprofen</td>
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<tr>
<td>Bovine, ovine and porcine urine</td>
<td>Thyrostats:</td>
<td>CSD 333 by LC-MS/MS</td>
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<tr>
<td></td>
<td>Dimethylthiouracil</td>
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<td>Ethylthiouracil</td>
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<tr>
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<td>Mercaptobenzimidazole</td>
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<td>ANIMAL TISSUES &amp; FLUIDS, ANIMAL FEEDS - AS SPECIFIED (cont’d)</td>
<td>Chemistry (cont’d)</td>
<td>Documented in-house methods:</td>
</tr>
<tr>
<td>Bovine, ovine, avian and porcine liver</td>
<td>β-Agonists including, but not restricted to: Bambuterol, Carbuterol, Clenbuterol, Hydroxymethylclobuterol, Mabuterol, Mapenterol, Methylclobuterol, Pirbuterol, Salbutamol, Terbutaline, Tulobuterol</td>
<td>CSD 111 by SPR Biosensor</td>
</tr>
<tr>
<td>Bovine, ovine, porcine kidney fat and bovine serum</td>
<td>Gestagens, encompassing: Altrengest, Chlormadinone acetate, Delmadinone acetate, Flurogestone acetate, Medroxyprogesterone acetate, Megestrol acetate</td>
<td>CSD 326 by LC-MS/MS</td>
</tr>
<tr>
<td>Bovine, ovine, porcine kidney, avian, bovine and porcine muscle milk and avian egg</td>
<td>Sulphonamides, encompassing: Dapsone, Sulphabenzamide, Sulphacetamide, Sulphachloropyridazine, Sulphadiazine, Sulphadimethoxine, Sulphadimidine, Sulphadoxine, Sulphaguanidine, Sulphamerazine, Sulphameter, Sulphamethizole, Sulphamethoxazole, Sulphamethoxypyridazine, Sulphamonomethoxine, Sulphamoxole, Sulphanilamide, Sulphapyridine, Sulphaquinoxaline, Sulphathiazole</td>
<td>CSD 309 by LC-MS/MS</td>
</tr>
</tbody>
</table>
### Schedule of Accreditation

**Issued by**

United Kingdom Accreditation Service  
2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

Agri-Food Biosciences Institute (AFBI)  
Veterinary Sciences Division

**Issue No:** 038  
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<td>ANIMAL TISSUES &amp; FLUIDS, ANIMAL FEEDS - AS SPECIFIED (cont'd)</td>
<td>Chemistry (cont'd)</td>
<td>Documented in-house methods:</td>
<td></td>
</tr>
</tbody>
</table>
| Bovine, ovine, porcine kidney, avian, bovine and porcine muscle milk and avian egg (cont'd) | Sulphonamides, encompassing: (cont'd)  
Sulphatrazole  
Sulphisomidine  
Sulphisoxazole | CSD 309 by LC-MS/MS | A |
| Bovine, ovine, porcine kidney, avian, bovine and porcine muscle milk and avian egg. | Macrolides and Lincosamides including:  
3-O-Acetyltylosin  
Erythromycin A  
Gamithromycin  
Josamycin  
Lincomycin  
Pirlimycin  
Spiramycin  
Tilmicosin  
Tulathromycin  
Tylosin A  
Tyvalosin | CSD 373 by LC-MS/MS | A |
| Bovine, ovine and porcine kidney | Chloramphenicol | CSD 203 by SPR Biosensor | A |
| Bovine, porcine and ovine kidney; bovine and avian muscle and egg | Antimicrobial substances including, but not limited to the following:  
Amoxycillin  
Ampicillin  
Apramycin  
Cefquinone  
Ceftiofur  
Cephalexin  
Chlortetracycline  
Ciprofloxacin  
Danofloxacin  
Difloxacin  
Doxycycline  
Enrofloxacin  
Erythromycin  
Flumequine  
Kanamycin  
Lincomycin  
Marbofloxacin  
Nafcilin | CSD 222 by Microbial growth inhibition | A |
<table>
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<tr>
<th>Materials/Products tested</th>
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<td>Chemistry (cont'd)</td>
<td>Documented in-house methods:</td>
<td></td>
</tr>
<tr>
<td>Bovine, porcine and ovine kidney; bovine and avian muscle and egg (cont'd)</td>
<td>Antimicrobial substances including, but not limited to the following: (cont'd) Neomycin, Norfloxacin, Oxacillin, Oxytetracycline, Penicillin G, Pirlimycin, Sarafloxacin, Tetracycline, Tilmicosin, Tulathromycin</td>
<td>CSD 222 by Microbial growth inhibition</td>
<td>A</td>
</tr>
<tr>
<td>Bovine, porcine and ovine urine</td>
<td>Steroids encompassing: ADD, α-boldenone, β-boldenone, CLAD, Dexamethasone, Dienestrol, Diethylstilboestrol, Ethisterone, Fluoxymesterone, Hexestrol, Hydroxystanozolol, Medroxyprogesterone, Methenolone, Methylboldenone, Methyltestosterone, Norethandrolone, Norgestrel, 17α &amp; 17β-19-Nortestosterone, Progesterone, Stanozolol, Taleranol, Testosterone, α-Trenbolone, Zeranol</td>
<td>CSD 316 by LC-MS/MS</td>
<td>A</td>
</tr>
<tr>
<td>Egg</td>
<td>Chloramphenicol</td>
<td>CSD 204 by SPR Biosensor</td>
<td>A</td>
</tr>
</tbody>
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Assessment Manager: KH
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<td>Chemistry (cont'd)</td>
<td>Documented in-house methods:</td>
<td></td>
</tr>
<tr>
<td>Fish muscle</td>
<td>Triphenylmethane phenothiazine &amp; phenoxaline/oxazine dyes, including: 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</td>
<td>CSD 363 by LC-MS/MS</td>
<td>A</td>
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<tr>
<td>Milk</td>
<td>Antimicrobial substances including, but not limited to the following: Ampicillin, Cefalonium, Ceftiofur, Chlortetracycline, Danofloxacin, Dicloxacillin, Dihydrostreptomycin, Enrofloxacin, Erythromycin, Neomycin, Oxytetracycline, Spiramycin</td>
<td>CSD 223 by Microbial growth inhibition</td>
<td>A</td>
</tr>
<tr>
<td>Milk Powder, meal, milk and rice protein</td>
<td>Melamine confirmatory</td>
<td>CSD 367 by LC-MS/MS</td>
<td>A</td>
</tr>
<tr>
<td>Milk</td>
<td>Chloramphenicol</td>
<td>CSD 201 by SPR Biosensor</td>
<td>A</td>
</tr>
<tr>
<td>Pig Feed</td>
<td>Methyltestosterone</td>
<td>CSD 385 by LC-MS/MS</td>
<td>A</td>
</tr>
<tr>
<td>Materials/Products tested</td>
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</tr>
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<td>ANIMAL TISSUES &amp; FLUIDS, ANIMAL FEEDS - AS SPECIFIED (cont’d)</td>
<td>Chemistry (cont’d)</td>
<td>Documented in-house methods:</td>
<td></td>
</tr>
<tr>
<td>Plasma</td>
<td>Phenylbutazone and oxyphenbutazone</td>
<td>CSD 392 by Supported Liquid Extraction and determination by LC-MS-MS</td>
<td>A</td>
</tr>
<tr>
<td>Porcine bile</td>
<td>Sulphadiazine</td>
<td>CSD 216 by ELISA</td>
<td>A</td>
</tr>
<tr>
<td>Porcine bile</td>
<td>Sulphonamides</td>
<td>CSD 219 by Immunobiosensor</td>
<td>A</td>
</tr>
<tr>
<td>Porcine liver</td>
<td>Quinoxaline-2-carboxylic acid, 3 Methyl-quinoxaline-2-carboxylic acid confirmation</td>
<td>CSD 304 by LC MS/MS</td>
<td>A</td>
</tr>
<tr>
<td>Porcine liver</td>
<td>Ractopamine</td>
<td>CSD 108 by SPR Biosensor</td>
<td>A</td>
</tr>
<tr>
<td>Porcine muscle</td>
<td>Ractopamine</td>
<td>CSD 393 by UHPLC-MS/MS</td>
<td>A</td>
</tr>
<tr>
<td>Retina</td>
<td>Clenbuterol</td>
<td>CSD 137 by ELISA</td>
<td>A</td>
</tr>
<tr>
<td>Salmonid muscle</td>
<td>Triphenylmethane dyes: Crystal violet</td>
<td>CSD 133 by SPR Biosensor</td>
<td>A</td>
</tr>
<tr>
<td></td>
<td>Leucocrystal violet</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Leucomalachite green</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Malachite green</td>
<td></td>
<td></td>
</tr>
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<tr>
<td><strong>FOOD AND FOOD PRODUCTS</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mussels, native and pacific oysters, Manila clams, cooked mussel, whole queen scallop, king scallop (whole, adductor &amp; adductor/roe)</td>
<td>Chemistry (cont'd) Determination of Lipophilic (DSP) Toxins</td>
<td>Documented in-house methods: CSB 379 by LC-MS/MS</td>
<td>A</td>
</tr>
<tr>
<td>King scallops, mussels, pacific and native oysters</td>
<td>Quantitative analysis of Paralytic toxins</td>
<td>CSB 409 by HPLC</td>
<td>A</td>
</tr>
<tr>
<td>Shellfish</td>
<td>Domoic acid confirmatory</td>
<td>CSD 406 by HPLC-UV</td>
<td>A</td>
</tr>
<tr>
<td>Shellfish</td>
<td>PSP detection</td>
<td>CSD 403, bioassay as described in AOAC official methods of analysis (1995) 959.08 Supplement 1997</td>
<td>A</td>
</tr>
<tr>
<td>Shellfish</td>
<td>PSP screen</td>
<td>CSD 408 by HPLC</td>
<td>A</td>
</tr>
<tr>
<td><strong>Animal Products, Fats and Oils, Butter, Meat and Meat Products, Fish and Fish Products (excluding offal)</strong></td>
<td>Pesticides and organic contaminants: See Table 1 for details of residues and contaminants.</td>
<td>PRL 166 using GC-MS/MS</td>
<td>A</td>
</tr>
</tbody>
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<td></td>
<td></td>
</tr>
<tr>
<td>Bovine, deer and badger tissue</td>
<td>Identification of <em>Mycobacterium bovis</em> lesions consistent with bovine tuberculosis in histology tissue sections</td>
<td>DSIB 332 by haematoxylin and eosin stain (H &amp; E) and Ziehl-Neelsen (ZN) staining</td>
<td>A</td>
</tr>
<tr>
<td>Brainstem tissue</td>
<td>Prion Protein</td>
<td>TSE 025 by Western Blot (GEL[PAGE]) Electrophoresis and Blot system</td>
<td>A</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TSE 015 Tissue processing - Automated method</td>
<td>A</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TSE 021 Tissue processing - manual method</td>
<td>A</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TSE 016 Prion protein detection by ELISA</td>
<td></td>
</tr>
<tr>
<td><strong>Microbiology</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Animal Tissues</td>
<td>Identification of <em>Mycobacterium bovis</em></td>
<td>BAC 403 by bacterial isolation and culture</td>
<td>A</td>
</tr>
<tr>
<td>Bovine lymph nodes and vaginal swabs</td>
<td>Isolation and identification of <em>Brucella abortus</em></td>
<td>SOP BAC 852 and SOP BAC 853 Culture, serological and biochemical characterisation</td>
<td>A</td>
</tr>
<tr>
<td>Dust (house), faeces, swabs, litter, meconium, viscera, cultures, feed dust, pig samples, zoonoses and sample follow up</td>
<td>Isolation of <em>Salmonella</em> spp</td>
<td>SOP BAC 262 and SOP BAC 264 Methodologies conform to Microbiological Standard Method: BS EN ISO 6579:2002 A1:2007</td>
<td>A</td>
</tr>
<tr>
<td><strong>Salmonella cultures</strong></td>
<td>Antimicrobial Resistance testing of <em>Salmonella</em> spp</td>
<td>BAC 271</td>
<td>A</td>
</tr>
<tr>
<td><strong>Salmonella cultures</strong></td>
<td>Biochemical I.D. of <em>Salmonella</em> cultures</td>
<td>BAC 270 (Conforms to BS EN ISO 6579:2002 A1:2007)</td>
<td>A</td>
</tr>
<tr>
<td><strong>Salmonella cultures</strong></td>
<td>Serotyping of <em>Salmonella</em> cultures</td>
<td>BAC 268 Conforms to BS EN ISO 6579:2002 A1:2007</td>
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<td></td>
</tr>
<tr>
<td>Animal tissues, blood, cultures, cell supernatant, faeces, milk, semen and swabs</td>
<td><strong>Molecular Biology</strong> Detection of Veterinary Pathogens DNA or RNA</td>
<td>Methods developed and validated following the Flexible Scope procedure: DISB193 by manual or robotic extraction using Real Time PCR using extraction and test kits</td>
<td>A</td>
</tr>
<tr>
<td>Animal tissues, blood, serum, plasma, allantoic fluid, cultures, cell supernatant, faeces, semen and swabs</td>
<td>Detection of Veterinary Pathogens viral DNA or RNA</td>
<td>Methods developed and validated following the Flexible Scope procedure: VMDL 98 by manual or robotic extraction using Real Time PCR using extraction and test kits</td>
<td>A</td>
</tr>
<tr>
<td>Avian tissue, faeces and swabs</td>
<td>Avian Influenza virus matrix gene Identification of avian influenza H5, H7, N1 subtypes</td>
<td>VMDL 35 using RT-PCR VMDL 66 using RT-PCR</td>
<td>A</td>
</tr>
<tr>
<td>Avian tissue, faeces and swabs</td>
<td>Avian Paramyxovirus serotype 1 RNA</td>
<td>VDMG 49 using RT-PCR</td>
<td>A</td>
</tr>
<tr>
<td>Tissues, serum</td>
<td>Classical Swine Fever DNA profiling - identity and parentage testing</td>
<td>VMDL 64 using RT-PCR</td>
<td>A</td>
</tr>
<tr>
<td>Bovine Tissues and blood</td>
<td></td>
<td>BAC 662 &amp; 663 by manual and automated extraction and genetic sequencing</td>
<td>A</td>
</tr>
<tr>
<td>DNA Isolates</td>
<td>Identification of <em>Mycobacterium bovis</em></td>
<td>BAC 653 by spoligotyping</td>
<td>A</td>
</tr>
<tr>
<td>Fish tissues, serum and cell cultures</td>
<td>Infectious salmon anaemia virus RNA</td>
<td>FDU 733 using RT-PCR</td>
<td>A</td>
</tr>
<tr>
<td>Fish tissues, serum and cell cultures</td>
<td>Viral haemorrhagic septicaemia virus RNA</td>
<td>FDU 734 using RT-PCR</td>
<td>A</td>
</tr>
<tr>
<td>Fish tissues, serum and cell cultures</td>
<td>Infectious haemopoietic necrosis virus RNA</td>
<td>FDU 735 using RT-PCR</td>
<td>A</td>
</tr>
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<td>Molecular Biology (cont'd)</td>
<td>Documented In-house methods:</td>
<td></td>
</tr>
<tr>
<td>Fish tissues, serum and cell cultures</td>
<td>Koi herpes virus DNA</td>
<td>FDU 738 using RT-PCR</td>
<td>A</td>
</tr>
<tr>
<td>Fish tissues and serum</td>
<td>Gyrodactylus species salaris and thymalli DNA</td>
<td>FDU 749 using RT-PCR</td>
<td>A</td>
</tr>
<tr>
<td>Fish tissues, serum (individual and pooled) and cell cultures</td>
<td>Salmonid alphavirus RNA</td>
<td>FDU 727 using RT-PCR</td>
<td>A</td>
</tr>
<tr>
<td>Serum (individual and pooled), milk, semen and tissue</td>
<td>Detection of Bovine Viral Diarrhoea virus (BVDV)</td>
<td>DSIB 184 using RT-PCR</td>
<td>A</td>
</tr>
<tr>
<td>Faeces</td>
<td>Johnes Disease (MAP)</td>
<td>DSIB 183 using RT-PCR</td>
<td>A</td>
</tr>
<tr>
<td>Whole blood, clotted blood, faeces, milk, plasma, serum, semen, and animal tissues</td>
<td>Detection of Antibodies and Antigens to Veterinary Pathogens</td>
<td>Methods developed and validated following the Flexible Scope Procedure DISB193 by manual ELISA processing using test kits</td>
<td>A</td>
</tr>
<tr>
<td>Whole blood, clotted blood, serum and plasma</td>
<td>Detection of Antibodies to: Veterinary Pathogens</td>
<td>Methods developed and validated following the Flexible Scope Procedure:</td>
<td>A</td>
</tr>
<tr>
<td>Whole, clotted and dried blood, serum, plasma, milk, and meat juices</td>
<td></td>
<td>1) IDB 1004 using agar goldiffusion under flexible scope</td>
<td>A</td>
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<tr>
<td></td>
<td></td>
<td>2) IDB 1004 by agglutination with commercially available reagents under flexible scope</td>
<td>A</td>
</tr>
<tr>
<td></td>
<td></td>
<td>3) IDB 1004 by compliment fixation under flexible scope</td>
<td>A</td>
</tr>
<tr>
<td></td>
<td></td>
<td>4) IDB 1004 by manual and automated ELISA processing using test kits under flexible scope</td>
<td>A</td>
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<td>Serology (cont’d)</td>
<td>Documented in-house methods:</td>
<td></td>
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<tr>
<td>Blood supernatant</td>
<td>Detection of Antibodies to: (cont’d)</td>
<td>BAC 764 by ELISA (Prionics)</td>
<td>A</td>
</tr>
<tr>
<td>Bovine serum and plasma</td>
<td>Interferon-gamma</td>
<td>IDB 501 by ELISA test kit (IDEXX)</td>
<td>A</td>
</tr>
<tr>
<td>Bovine serum</td>
<td>Enzootic bovine leucosis (EBL)</td>
<td>1) SOP IDB 18, 22 &amp; 23 by serum agglutination test (SAT) - manual and automated</td>
<td>A</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2) SOP IDB 22 by ELISA</td>
<td>A</td>
</tr>
<tr>
<td></td>
<td></td>
<td>3) SOP IDB 7 by ELISA manual and automated</td>
<td>A</td>
</tr>
<tr>
<td>Bovine Milk (individual or bulk)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bovine serum</td>
<td>Brucella abortus - screening methods</td>
<td>1) SOP IDB 20 by serum agglutination (SAT)</td>
<td>A</td>
</tr>
<tr>
<td></td>
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<td>2) SOP IDB 8 by compliment fixation test (CFT) – warm method</td>
<td>A</td>
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<tr>
<td></td>
<td></td>
<td>3) SOP IDB 64 by complement fixation test (CFT) – cold method</td>
<td>A</td>
</tr>
<tr>
<td>Faeces</td>
<td>Detection of Antigen: Rotavirus and coronavirus</td>
<td>DSIB 270 by ELISA kit (IDEXX)</td>
<td>A</td>
</tr>
<tr>
<td>Porcine: serum, plasma and paper filter discs</td>
<td>Pseudorabies virus gB (Aujeszky's disease)</td>
<td>IDB 503 by ELISA test kit (IDEXX)</td>
<td>A</td>
</tr>
<tr>
<td>Porcine serum and plasma</td>
<td>Pseudorabies virus gp1 (Aujeszky's disease)</td>
<td>IDB 504 by ELISA test kit (IDEXX)</td>
<td>A</td>
</tr>
<tr>
<td>Plasma/serum/whole blood and ear notch</td>
<td>Detection of Antigen: Bovine Viral Diarrhoea Virus (BVDV)</td>
<td>DSIB 234 by ELISA kit (IDEXX)</td>
<td>A</td>
</tr>
</tbody>
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<tr>
<td><strong>SERUM AND PLASMA</strong></td>
<td><strong>Serology (cont’d)</strong></td>
<td>Documented in-house methods:</td>
<td></td>
</tr>
<tr>
<td>Serum</td>
<td>Maedi-visna</td>
<td>IDB 508 by AGID (Maeditect)</td>
<td>A</td>
</tr>
<tr>
<td>Serum</td>
<td>Caprine arthritis-encephalitis (CAE)</td>
<td>IDB 518 by AGID (IDEXX)</td>
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<td>Serum (avian)</td>
<td>Salmonella pullorum</td>
<td>IDB 751 by rapid serum agglutination</td>
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<td>Serum (bovine)</td>
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<td>IDB 502 by Agar Diffusion Test (Synbiotics)</td>
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<td>Serum (equine)</td>
<td>Equine infectious anaemia (EIA)</td>
<td>IDB 526 by AGID (Synbiotics)</td>
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<td>Bluetongue (early detection)</td>
<td>IDB 510 using manual ELISA</td>
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<td>Bluetongue (competition)</td>
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<td>Classical swine fever (CSFV)</td>
<td>IDB 505 using manual ELISA</td>
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<td>Johne’s Disease (MAP)</td>
<td>DSIB 906 by ELISA kit (Prionics)</td>
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<td>Foetal serum</td>
<td>Neospora</td>
<td>DSIB 220 by ELISA kit (IDEXX)</td>
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<td>Chlamydophila abortus</td>
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<td>Porcine Parvovirus (PPV)</td>
<td>DSIB 241 by ELISA kit (LSI)</td>
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<td><strong>SERUM, PLASMA and MILK as specified</strong></td>
<td><strong>Bovine Viral Diarrhoea Virus (BVDV) and Border Disease Virus</strong></td>
<td>DSIB 176 by ELISA kit (LSI p80)</td>
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<td>Serum, Plasma, Milk</td>
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<td>Detection of Antibodies to:</td>
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<td>Milk</td>
<td>Bovine Viral Diarrhoea Virus (BVDV)</td>
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<td>Bovine Parainfluenza Virus Type 3 (PIV3)</td>
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<td>Bovine Respiratory Syncytial Virus (BRSV)</td>
<td>DSIB 257 by ELISA kit (Svanova)</td>
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## Schedule of Accreditation

**Issued by**

**United Kingdom Accreditation Service**

2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

**Agri-Food Biosciences Institute (AFBI)**

**Veterinary Sciences Division**

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### Testing performed by the Organisation at the locations specified

<table>
<thead>
<tr>
<th>Materials/Products tested</th>
<th>Type of test/Properties measured/Range of measurement</th>
<th>Standard specifications/Equipment/Techniques used</th>
<th>Location Code</th>
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<tbody>
<tr>
<td>SERUM, PLASMA and MILK (cont’d)</td>
<td>Serology (cont’d) Detection of Antibodies to: (cont’d) Infectious Bovine Rhinotracheitis (IBR) Infectious Bovine Rhinotracheitis (IBR) gE Antibody Johne’s Disease (MAP) Fasciola hepatica Leptospira hardjo</td>
<td>Documented in-house methods: DSIB 257 by ELISA kit (Svanova) DSIB 242 by ELISA kit (IDEXX) DSIB 907 by ELISA kit (IDEXX) DSIB 272 by ELISA kit (IDEXX) DSIB 274 by ELISA</td>
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<td>WATER</td>
<td>Microscopy Identification and enumeration of toxin producing Phytoplankton</td>
<td>MARECOL 10 by microscopic examination using Utermohl chambers</td>
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END
### Table 1:

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<th>Residues and Contaminants determined using Method PRL 166</th>
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