

Schedule of Accreditation



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|---|---|
| Organisation Name | Oldcastle Laboratories Ltd |
| Trading As | |
| INAB Reg No | 302T |
| Contact Name | Paula Clarke |
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| Email | paula@oldcastlelabs.ie |
| Website | http://www.oldcastlelabs.ie |
| Accreditation Standard | EN ISO/IEC 17025 T |
| Standard Version | 2017 |
| Date of award of accreditation | 07/02/2012 |
| 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 | Head Office | Cogan Street, Oldcastle, Meath, A82 HW90 |

Scope of Accreditation

Head Office

Biological and Veterinary Testing

Category: A

| Biology/veterinary field - Tests | Test name | Technique | Matrix | Equipment | Std. reference |
|--|--|--|--|-----------|--|
| 803 Culture of organisms in liquid or agar based culture media with visual or instrument monitoring for growth - .01 Culture of bacteria | Detection and Enumeration of Escherichia coli and Coliform Bacteria in Water | Membrane Filtration Method | Potable Waters, Industrial Waters (Treated, Recirculating), Trade Waters | N/A | ISO 9308-1:2014/Amd.1:2016 |
| | Determination of the Total Bacteria Count of Water | Standard Plate Count | Potable Waters | N/A | Standard Methods for the Examination of Water and Wastewater" 24th Edition - APHA, AWWA, WEF |
| | Enumeration of Coliforms using the Colony Count Technique | Pour Plate Method using Violet Red Bile Agar | Dairy Products, Meat & Meat Products (Game & Poultry), Pet Foods, Animal Feeds, Others (Environmental, Sponges, Environmental Swabs) | N/A | ISO 4832:2006 |
| | Enumeration of Enterobacteriaceae by the Colony Count Technique | Colony Count Technique | Meat & Meat Products, Game and Poultry, Pet Foods, Animal Feeds, Others (Environmental Sponges, Environmental Swabs, Rendered Fats) | N/A | ISO 21528-2:2017 |

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| | Enumeration of Intestinal Enterococci in Water | Membrane Filtration Method | Potable Waters, Industrial Waters (treated, recirculating), Trade Waters | N/A | ISO 7899-2:2000 |
| | Enumeration of β -glucuronidase Escherichia coli | Colony count technique at 44 °C on a solid medium containing a chromogenic ingredient for the detection of the enzyme β -glucuronidase. | Dairy Products, Egg & Egg Products, Meat & Meat Products (Game & Poultry), Pet Foods, Animal Feeds, Others (Environmental, Sponges, Environmental Swabs, Compost) | N/A | ISO16649-2:2001 |
| | Isolation and Identification of Salmonella | Horizontal Method | Eggs, Litter, Animal Feed, Meat, Boot Liner, Swabs, Dairy Products, Compost, Rendered Fats, Bone | | ISO6579-1:2017 & Amd1:2020 |
| | Total Viable Count at 30°C using the Pour Plate Technique | Counting the colonies growing in solid medium after aerobic incubation at 30°C | Dairy Products, Meat & eat Products, Pet Foods, Animal Feeds, Others (Environmental, Sponges, Environmental Swabs) | N/A | ISO4833-1:2013/Amd:1 2022 |
| 804 Detection of bacterial, parasite, viral or fungal antigens using specific antibodies and appropriate techniques - .03 Enzyme immunoassay, | Detection of Bovine Viral Diarrhoea (BVDV) Antigen | IDEXX Antigen ELISA test kit | Serum & Ear notch tissue | N/A | Idexx Antigen ELISA kit |
| | Detection of Bovine Viral Diarrhoea Virus (BVDV) p80 Antibodies by ID VET ELISA | Based on ID Vet ELISA Kit | Bovine serum & milk | N/A | ID Vet Elisa Kit |
| | Detection of Mycobacterium paratuberculosis (Johne's Disease) Antibodies by Idexx ELISA | Idexx ELISA | Bovine serum, plasma, milk | N/A | Idexx ELISA Paratuberculosis Screening Antibody Test Kit Insert |
| 804 Detection of bacterial, parasite, viral or fungal antigens using specific antibodies and appropriate | Detection of Bovine Viral Diarrhoea Antigen by RT-PCR | Real-Time PCR | Ear notch tissue | Qiagen Virotype VDV RT-PCR kit | Detection of Bovine Viral Diarrhoea Virus by RT-PCR |

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| techniques - .05 Immunofluorescence | | | | | |
| | Detection of Infectious Bovine Rhinotracheitis Virus (BHV1) gB Antibodies | Idexx Elisa | Serum | N/A | OLL TM2227 OLL ED8109 |
| | Detection of Infectious Bovine Rhinotracheitis Virus (BHV1) gE Antibodies | | Serum | N/A | OLL TM2252 OLL ED8222 |

Chemical Testing

Category: A

| Chemistry Field - Tests | Test name | Analyte | Range of measurement | Matrix | Equipment/technique | Standard reference/SOP |
|---|--|---------|---|---|----------------------|---|
| 766 Environmental testing (inc waters) - .01 Metal analysis | Determination of Iron Content of Water | | 10ug/L - 3000ug/L | Potable Water | Based on HACH Method | TM2114 |
| | Determination of Manganese in Water | | 10 ug/L - 700ug/L | Potable Water | Based on HACH Method | TM2121 |
| 766 Environmental testing (inc waters) - .03 Chemical oxygen demand | Determination of Chemical Oxygen Demand (COD) of Water / Effluent | | 3- 150 mg/l COD & 3 – 1,500 mg/l COD | Sewage, leachates, other waters (surface, ground, effluents). | HACH DR/2800 | TM 2123 HACH DR2800 Spectrophotometer Handbook E.D.8042 Standard Methods for Water and Wastewater |
| 766 Environmental testing (inc waters) - .04 Organic | Determination of Buffer pH of Soil | | pH 4- 10 Calculation of Lime Requirement | Soils | pH Meter | TM 2064 European Communities (Good Agricultural Practice for Protection of Waters) Regulations 2022 (S.I. No. 113 of 2022) |
| | Determination of Extractable Phosphorus (Morgan's extract) content of Soil | | 1 - 30mg/ L Phosphorus Calculation of P Index 1 - 4 | Soils | TM2066 | TM 2066 European Communities (Good Agricultural Practice for Protection of Waters) Regulations 2022 (S.I. No. 113 of 2022) |
| | Determination of Extractable Potassium | | 15 - 400 mg/L Potassium | Soils | TM2065 | TM2065 European Communities (Good |

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|---|---------------------------------------|--|---------------------------------|-----------------|-------------------------|---|
| | (Morgan's extract) content of Soil | | Calculation of K Index 1 - 4 | | | Agricultural Practice for Protection of Waters) Regulations 2022 (S.I. No. 113 of 2022) |
| | Determination of the pH of Soil | | pH 4- 10 | Soils | pH Meter | TM 2063 European Communities (Good Agricultural Practice for Protection of Waters) Regulations 2022 (S.I. No. 113 of 2022) |
| 766 Environmental testing (inc waters) - .05 Inorganic | Ammonia as NH4 | | 0.02 mg/L - 150 mg/L NH4 | Potable Water | Based on HACH Method | TM2118 |
| | Ammonium as NH4 | | 0.02 mg/L - 150 mg/L NH4 | Trade effluents | Based on HACH Method | TM2118 |
| | Nitrate as NO3 | | 2 - 10 mg/l | Potable Waters | Based on HACH Method | TM2216 |
| | | | 2 - 150 mg/L | Trade effluents | Based on HACH Method | TM2216 |
| | Nitrite as NO2 | | 2 - 10 mg/L | Trade effluents | Based on HACH Method | TM2120 |