

Schedule of Accreditation



Organisation Name	Dairy Science Laboratory Backweston
Trading As	
INAB Reg No	141T
Contact Name	Catherine Henderson
Address	Backweston Campus, Young's Cross, Celbridge, Kildare
Contact Phone No	01 6157456
Email	Catherine.Henderson@agriculture.gov.ie
Website	http://www.agriculture.gov.ie
Accreditation Standard	ISO 17025 T
Date Initially Awarded	19/05/2003
Scope Classification	Biological and veterinary testing
Scope Classification	Chemical testing
Services available to the public ¹	No

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	Department of Agriculture, Food and Marine, Backweston Campus, Young's Cross, Kildare

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 Intestinal Enterococci	Membrane Filtration, selective media	Potable Water	Filtration Unit	C.M019 based on ISO 7899-2:2000			
	Detection of Chronobacter species	Enrichment selective media	Dairy products, Dried baby Infant formula only	Incubator	C.M016 based on BS EN ISO 22964:2017			
	Detection of Enterobacteriaceae	Enrichment/Selective Media	Dairy Products	Incubator	C.M021 based on ISO 21528-1:2017			
	Detection of Listeria monocytogenes	ELISA	Swabs	VIDAS (LMO)	C.M035 based on AFNOR certified Method No. Bio-12/11-03/04 EN ISO 11290-1:2017			
				Enrichment/Selective Media	Dairy Products, Fruit & Vegetables, Chocolate	Incubator	C.M012 EN ISO 11290-1:2017	
				Swabs	Incubator	C.M012 EN ISO 11290-1:2017		
	Detection of Salmonella	Enriched Selective Media	Dairy Products, Fruit & Vegetables, Chocolate	Incubator	C.M018 based on ISO 6579-1:2017			
	Enumeration of Coagulase positive Staphylococci Colony count	Pour Plate Technique	Dairy products, Milk Powders, Casein/Caseinates, Butter/Butter spreads, Milk Cheese, Ice Cream, Yoghurts, Milk based desserts	Incubator	C.M006 based on ISO 6888-2:1999			
	Enumeration of Coliform and E.coli	Most Probable Number (MPN)	Potable Water, Process Water	Colilert-18 and 24 Quanti trays	C.M017 based on The Microbiology of Drinking water (2016) (Part 4d)			
	Enumeration of E.coli colony count 44°C	Pour Plate Technique	Dairy products, Milk Powders, Casein/Caseinates, Butter/Butter spreads, Milk Cheese, Ice Cream,	Incubator	C.M007 Based on ISO 16649-2:2001			

			Yoghurts, Milk based desserts & Mixed Salads			
	Enumeration of Enterobacteriaceae		Dairy Products	Incubator	C.M023 based on ISO 21528-2:2017	
	Enumeration of Listeria monocytogenes	Spread plate	Dairy Products, Meat & Meat Products, Game & Poultry, Fish, Shellfish & Molluscs, Fruit & Vegetables, other Process Meat	Incubator	C.M020 based on EN ISO 11290-2:2017	
	Enumeration of Presumptive Bacillus cereus		Dairy products, Dried baby Infant formula only	Incubator	C.M025 based on EN ISO 7932:2004	
	Total Viable Count at 30°C	Pour Plate Technique	Dairy products, Milk Powders, Casein/Caseinates, Butter/Butter spreads, Milk Cheese, Ice Cream, Yoghurts, Milk based desserts	Incubator	C.M004 based on ISO 4833-1:2013	
804 Detection of bacterial, parasite, viral or fungal antigens using specific antibodies and appropriate techniques - .03 Enzyme immunoassay,	Detection of Listeria monocytogenes	ELISA	Dairy Products, Fish, Shellfish & Molluscs, Fruit & Vegetables, Chocolate, other Process Meat	VIDAS (LMO)	C.M035 based on AFNOR certified Method No. BIO-12/11-03/04 EN ISO 11290-1:2017	
	Detection of Salmonella		Dairy Products	VIDAS (SLM)	C.M011 based on AFNOR certified VIDAS method BIO 12/1-04/94 and AOAC certified VIDAS Method Jan 2004, No.2004.03	
	Detection of Staphylococcal Enterotoxin(Genes SEA, SEB, SEC, SED, SEE)		Dairy Products, Fruit & Vegetables, Chocolate	VIDAS (SLM)	C.M026 based on AFNOR certified VIDAS method BIO 12/1-04/94 and ISO 6579-1:2017	
			Dairy Products, Butter, Milk Powder, Cheese, Meat & Meat products, game & poultry, Fish, Shellfish & Molluscs, Desserts, Prepared dishes	VIDAS	C.M024 based on ISO 19020:2017	
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	Detection of shiga toxin producing E.coli (STEC) and Determination of O157, O111, O26, O103, O145 and O104:H4.	RT PCR and IMS	Sprouted seed & Cheese	Thermal cyclers	C.M010 based on ISO TS 13136:2012	

	Detection of Staphylococcal Enterotoxin by Real Time PCR (Genes SEA, SEB, SEC, SED, SEE, SEG, SEH, SEI, SEJ, SEP, SER)	Real Time PCR	Bacterial isolates from animal, food, and production environments	Real Time PCR Instrument	C.M042 ANSES/MI SBCL LSA-INS-0139 Version 3 May 2017	
	Molecular Serotyping of Listeria monocytogenes		Bacterial Isolates from animal, food and the production environment	Real Time PCR Instrument	C.M043 based on Vitullo et al, Molecular and Cellular probes 27 (2013) 68-70, & Doumith et al 2004, & EURL CEB 13 Rev. 4 30/09/2013	
817 Biochemistry - .14 Detection of enzymes, Biochemical methods, in house developed methods	Determination of Alkaline Phosphatase Activity	Fluorometric	Liquid Milk	Fluorometer	C.CM08 based on BS ISO 11816-1:2013	
821 Detection of antimicrobial substances - .02 Biochemical Methods, in house developed methods	Qualitative Detection of Antibiotics (Penicillin and Sulphonamide)	Qualitative Detection	Milk & Milk Powders	Delvo Test Kit and Water bath	C.M001 DSM Instructions	

Chemistry Field - Tests	Test name	Analyte	Range of measurement	Matrix	Equipment/technique	Standard reference/SOP
751 Food testing - .03 Compositional analysis	Determination of Ash Content	Ash	0.5-10%	Dried Milk Powders	Furnace	C.CP11 based on GB 5009.4-2010
	Determination of AW Content	Water Activity	0.800-0.900	Cheese, Meat and Meat Products	aW meter	C.CCH05 BS-EN 21807:2004
	Determination of Chloride	Chloride	10-1000 mg/100g	Infant Formula	Potentiometric titration	C.CP22 AOAC 986.26
	Determination of Fat Content	Fat	0.0245-7.6%	Milk	Oven	C.CM06 based on BS EN ISO 1211:2010
	Determination of Fat in Milk Powders		0.5-40%	Milk Powders	Rose Gottlieb	C.CP03 BS EN ISO 1736:2008 & ISO 8381:2008
	Determination of Fatty Acid Content	Fatty Acids	SFA: 2.23-13.46g/100g MUFA: 1.98-11.82g/100g PUFA: 0.78-4.58g/100g LA: 0.80-4.59g/100 ALA: 0.14-0.85g/100g	Powdered infant formula	Gas Liquid Chromatography Unit	C.CP21 based on BS ISO 16958:2015
	Determination of Moisture Content	Moisture	0.5-10%	Dried Milk Powder	Milky Master Drying Oven	C.CP01 based on BS EN ISO 5537:2004
	Determination of Nitrogen Content	Nitrogen	Milk 1-10% Milk Powder 5-50% Milk Protein concentrate / casein 50-95%	Milk, Milk Powder, Milk protein concentrate / casein	Kjeldahl and auto titrator	C.CP04 BS EN ISO 8968-1:2014
	Determination of Vitamin A	Vitamin A	75-1400 µg/100g	Powdered Infant Formula	HPLC	C.CP015 BS-EN 12823-1:2014
	Determination of Vitamin B5	Vitamin B5	1.3 - 13.8 mg/100g	Powdered Infant Formula	UHPLC-MS-MS	C.CP24 ISO 20639:2015
	Determination of Vitamin C	Vitamin C	25-420 mg/100g Powdered Infant Formula 3-51mg/100g RTE	Powdered Infant Formula and Ready to Use Infant Formula	HPLC-UV	C.CP25 ISO DIS 20635:2018
	Determination of Vitamin D3	Vitamin D3	2-39 µg/100g	Powdered Infant Formula	HPLC	C.CP16 BS-EN 12821:2009
Determination of Vitamin E (α-Tocopherol)	Vitamin E	3-40 mg/100g	Powdered Infant Formula	HPLC	C.CP17 BE-EN 12822:2014	
Determination of Vitamin K1	Vitamin K1	10-200µg/100g	Infant Formula	HPLC	C.CP19 BS EN 14148:2003	

