



SCOPE OF ACCREDITATION

IAS Accreditation Number	TL-842
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Accreditation Standard	ISO/IEC 17025:2017

Environmental- Microbiology

Directiva 98 / 83 / CE del Consejo de 3 de noviembre de 1998 Sección XI **ICR Microbiology Laboratory Manual in Drinking Water, Potable Water, Process Water and Ice**

Determination of Clostridium perfringens

ISO 7899-2:2000

Water quality -- Detection and enumeration of intestinal enterococci – Part 2: Membrane filtration method in Drinking Water, Potable Water, Process Water and Ice

Determination of intestinal enterococci

ISO 9308-1:2014

Water quality - Detection and enumeration of Escherichia coli and coliform bacteria - Part 1: Membrane filtration method in Drinking Water, Potable Water, Process Water and Ice

Determination of coliform bacteria; Determination of Escherichia coli

ME-01-2007

Superintendence of Sanitary Services. Manual of assays for Potable Water. Multiple tubes method in Drinking Water, Catchment Water and Ice

Determination of Escherichia coli

NCh1620/1:1984

Drinking water - Determination of total coliform bacteria - Part 1: Multiple tubes method (NMP) in Drinking Water, Catchment Water and Ice

Determination of Total Coliforms

PICH-211 (Rev. 6)

Sample Collection for Drinking Water, Catchment Sources and Raw Waters in Potable Water, Ice, Surface Water, Sea Water, Drinking Water, Natural Water, Water for Industrial use

Sample Collection



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PICH-212 (Rev. 4)	Wastewater Sample Collection in Wastewater
	Sample Collection
SM 9221B 23rd edition	Standards Methods For the examination of water and wastewater Standard Total Coliform Fermentation Technique in Drinking Water, Wastewater, Natural Water, Water for Industrial Use, Sea water, Saltwater, Brackish Water and Ice
	Determination of Total Coliforms
SM 9221E 23rd edition	Standards Methods For the examination of water and wastewater Thermotolerant (Fecal) Coliform Procedure in Drinking Water, Wastewater, Surface Water, Groundwater, Sea Water, Saltwater, Brackish Water, Potable Water, Natural Water, Water for Industrial Use and Ice
	Determination of fecal coliforms
SM 9221E.2 23rd edition	Standards Methods For the examination of water and wastewater Thermotolerant (Fecal) Coliform Direct Test (A-1 Medium) in Seawater, Natural Water and Treated Wastewater
	Determination of fecal coliforms (direct method A1)
SM 9221F 23rd edition	Standards Methods For the examination of water and wastewater Escherichia Coli Procedure Using Fluorogenic Substrate in Drinking Water, Wastewater, Surface Water, Groundwater, Sea Water, Saltwater, Brackish Water, Potable Water, Natural Water, Water for Industrial Use and Ice
	Determination of Escherichia coli
Microbiology	
AOAC official method 990.12. year 2002	Aerobic Plate Count in Foods in food for human consumption
	Determination of Mesophilic Aerobic
AOAC official method 991.14. year 2002 - AOAC official method 998.08. year 2002	Coliforms an Escherichia Coli Counts in Food – E. Coli Petrifilm in food for human consumption
	Determination of Escherichia coli and coliforms
AOAC official method 997.02. year 2002	Yeast and Mold Counts in Food Petrifilm Method in food for human consumption
	Determination of mold and yeasts
AOAC official method 2003.01. year 2006	Enumeration of Enterobacteriaceae in Selected Foods in food for human consumption
	Determination of Enterobacteriaceae



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AOAC official method 2003.07. year 2006	Method for the Enumeration of Staphylococcus aureus in Selected Dairy Foods in processed and prepared foods, Dairy products, Vegetables/Frozen mixed, Meat, Seafood and Poultry
	Determination of Staphylococcus aureus coagulase positive
AOAC official method 2003.11. year 2006	Enumeration of Staphylococcus aureus in Selected Meat, Sea food, and Poultry Using Petrifilm Staph Express Count Plate Method in Meat, Seafood and Poultry
	Determination of Staphylococcus aureus coagulase positive
FDA Bacteriological Analytical Manual, on line 2004.Chapter 9	Bacteriological Analytical Manual Chapter 9 Vibrio in Food for human consumption, Meat, Seafood and Poultry
	Determination of Vibrio parahaemolyticus
GOST 10444.15-94	Method for the determination of the quantity of facultative mesophilic and anaerobic aerobes in Hydrobiological Products
	Determination of mesophilic aerobes and facultative anaerobes
GOST 31746-2012	Methods of detection and determination of the number of coagulase-positive staphylococci and Staphylococcus aureus in Hydrobiological Products
	Detection of Staphylococcus aureus
GOST 52816-2007	Method for the quantification and detection of total coliforms in Hydrobiological Products
	Detection of total coliforms
NCh2635/1:2001	Hydrobiological products - Determination of coliforms - Part 1: Determination of fecal coliforms and coliforms - Most probable number technique (NMP) in food for human consumption and Hydrobiological Products (except live bivalves mollusks)
	Determination of Coliforms and Fecal Coliforms
NCh2657:2001	Hydrobiological products - Detection of Listeria monocytogenes in food for human consumption and Hydrobiological Products
	Detection of Listeria monocytogenes
NCh2657/2:2007	Microbiology of food for human and animal consumption - Horizontal method for the detection and enumeration of



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Listeria monocytogenes - Part 2: Method of enumeration in food for human consumption and Hydrobiological Products

Determination of *Listeria monocytogenes*

NCh2659:2002

Hydrobiological products - Determination of mesophilic aerobic microorganisms - Plate counting technique at 35 ° C in food for human consumption (except dairy products) and Hydrobiological Products

Determination of mesophilic aerobic microorganisms

NCh2671:2002

Hydrobiological products - Positive coagulase *Staphylococcus aureus* count - Baird-Parker agar plate counting technique in food for human consumption

Determination of *Staphylococcus aureus* coagulase positive

NCh2671:2002

Hydrobiological products - Positive coagulase *Staphylococcus aureus* count - Baird-Parker agar plate counting technique in Hydrobiological Products

Determination of *Staphylococcus aureus*

NCh2675:2002

Hydrobiological products - *Salmonella* detection in food for human consumption and Hydrobiological Products

Detection of *Salmonella*

NCh2676:2002

Hydrobiological products - Determination of Enterobacteriaceae without resuscitation - NMP technique and plate counting technique in food for human consumption and Hydrobiological Products

Determination of Enterobacteriaceae

NCh3056:2007

Microbiology of food for human and animal consumption - Horizontal method for the enumeration of *Escherichia coli* β -glucuronidase positive - Technique of the most probable number using 5-bromo-4-chloro-3-indolyl-B-D-glucuronide in food for human consumption, Hydrobiological Products and Bivalve mollusks

Determination of *Escherichia coli* β -glucuronidase-positive

PC-375 (Rev.2)

Aerobic Mesophilic Counts AMC Using Petrifilm Based on AOAC official method 990.12 year 2002 and NCh 3057.Of2007 in Utensils, surfaces and manipulators

Determination of Mesophilic Aerobics



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PC-376 (Rev.2)	Mold and Yeast Count Using Petrifilm Based on official method AOAC official method 997.02 and NCh 3057.Of2007 in Utensils, surfaces and manipulators Determination of mold and yeasts
PC-377 (Rev.2)	Escherichia Coli and Coliforms Counts Using Petrifilm Based on official method AOAC official method 991.14 year 2002 and NCh 3057.Of2007 in Utensils, surfaces and manipulators Determination of Escherichia coli and coliforms
PC-378 (Rev.2)	Count of Staphylococcus Aureus Using Petrifilm Based on AOAC official method 2003.07 year 2006 and NCh 3057.Of2007 in Utensils, surfaces and manipulators Determination of Staphylococcus aureus coagulase positive
PC-379 (Rev.2)	Determination of Enterobacteriaceae Based on AOAC official method 2003.01 year 2006 and NCh 3057.Of2007 in Utensils, surfaces and manipulators Determination of Enterobacteria
PC-380 (Rev.2)	Determination of Aerobic Mesophilic Microorganisms at 35°C Based on official method NCh2659.Of2002 and NCh 3057.Of2007 in Utensils, surfaces and manipulators Determination of mesophilic aerobic microorganisms
PC-381 (Rev.2)	Detection of Coliforms and Fecal Coliforms (Presence/Absence) Based on NCh2635/1.Of2001 and NCh 3057.Of2007 in Utensils, surfaces and manipulators Detection of Coliforms, Fecal Coliforms
PC-382 (Rev.2)	Determination and Detection of Staphylococcus Aureus Positive Coagulase (UFC) (Presence/Absence) NCh2671.Of2002 and NCh 3057.Of2007 in Utensils, surfaces and manipulators Determination and detection of Staphylococcus aureus coagulase positive
PE-5009 (Rev.8)	Microbiological Sample Collection in Food for human consumption, Utensils, surfaces and manipulators Sample Collection
VIDAS Method AFNOR BIO-12/16-09/05 for VIDAS SLM	Salmonella Method in Food for human consumption and Hydrobiological Products, Utensils, surfaces and manipulators



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Detection of Salmonella spp

VIDAS AFNOR 03/04)	Method (BIO12/11	LMO2 –	Detection and confirmation of Listeria monocytogenes in Food for human consumption, Hydrobiological Products, Utensils, surfaces and manipulators
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Detection of Listeria monocytogenes

Hydrobiological Products - Physical-organoleptic analysis

Manual of Safety and Certification, Sernapesca, Part II, Section III, Chapter IV. Current Version	Physical-organoleptic analysis in Fish, Live fishing products, cooled, refrigerated, and processed fish products
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Sensory examination, External appearance, Eyes, Gills, Consistency, Abdominal cavity

Manual of Safety and Certification, Sernapesca, Part II, Section III, Chapter IV. Current Version	Physical-organoleptic analysis in Crustaceans, Fish, Live fishing products, cooled, refrigerated, and processed fish products
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Sensory examination, Eyes, Musculature, Membranes, Thoracic abdominals, Odor, Presence of melanosis

Manual of Safety and Certification, Sernapesca, Part II, Section III, Chapter IV. Current Version	Physical-organoleptic analysis in Cephalopods, Fish, Live fishing products, cooled, refrigerated, and processed fish products
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Sensory examination, External appearance, Odor, Meat, Tentacles (only decapods)

Manual of Safety and Certification, Sernapesca, Part II, Section III, Chapter IV. Current Version	Physical-organoleptic analysis in Bivalve molluscs and gastropods, Live fishing products, cooled, refrigerated, and processed fish products
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Sensory examination, General Condition, Condition of the Shell, Reaction to percussion, Odor, Intervalvular fluid

Manual of Safety and Certification, Sernapesca, Part II, Section III, Chapter IV. Current Version	Physical-organoleptic analysis in Frozen fish and cephalopods (raw or cooked) and Smoked fish product
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Sensory examination, Species, Presentation, Appearance, Parasites

Odor, Colour, Texture



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Manual of Safety and Certification, Sernapesca, Part II, Section III, Chapter IV. Current Version

Physical-organoleptic analysis in Surimi

Sensory examination, Species, Presentation, Appearance, Odor, Colour, Taste

Manual of Safety and Certification, Sernapesca, Part II, Section III, Chapter IV. Current Version

Physical-organoleptic analysis in Frozen crustaceans (raw or cooked)

Sensory examination, Species, Presentation, Appearance, Odor, Colour

Manual of Safety and Certification, Sernapesca, Part II, Section III, Chapter IV. Current Version

Physical-organoleptic analysis in Bivalve molluscs, gastropods, tunicates and echinoderms frozen (raw or cooked)

Sensory examination, Species, Presentation, Appearance, Odor, Texture

Hydrobiological Products - Pathology analysis

LABD NT1

Procedures for sampling in aquatic animals. Sernapesca

Sampling of organs and fluids

PC-383 (Rev.3)

Procedure for Analysis of Samples by PCR and RT-PCR in Real Time Based on: LABD/NT2, Sernapesca in Organs and fluids of salmonids

Detection of Alphavirus salmonis (SAv), Detection of Piscirickettsia salmonis (causative of SRS), Detection of the infectious salmon anemia virus (ISAv), Detection of Renibacterium salmoninarum, Detection of viral haemorrhagic septicemia virus (VHSV), Detection of the infectious hematopoietic necrosis virus (IHNV), Detection of epizootic hematopoietic necrosis virus (EHNv), Detection of infectious pancreatic necrosis virus (IPNV), Detection of Flavobacterium psychrophilum, Detection of Piscine myocarditis virus (PMCV)

PC-384 (Rev.2)

Sample Analysis using Immunofluorescence Based on: LABD / NT2, Sernapesca. Effective indirect immunofluorescence assay (IFAT) in Organs and fluids of salmonids

Detection of Piscirickettsia salmonis (causative of SRS), Detection of Renibacterium salmoninarum (cause of BKD)

Resolution N° 61 2011

Establishes Specific Health Program for active surveillance for high risk diseases for fish. Sernapesca

Sampling of organs of salmonids



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Resolution N° 70. 2011	General health sanitary management program for fish reproduction. Sernapesca Sampling of organs and fluids
Resolution N° 227	Modifies exempt resolution No. 61 of 2003 approves specific sanitary program of active surveillance for High Risk diseases (RAS) in farmed fish Sampling of organs of salmonids
Resolution N° 1577 2011	Establishes specific sanitary program for the surveillance and control of salmon infectious anemia (PSEVC-ISA) and repeals resolutions that indicate. Sernapesca Sampling of organs of salmonids
Resolution N° 3174 2013	Establishes specific sanitary program for surveillance and control of Piscirickettsiosis (PSEVC-Piscirickettsiosis). Sernapesca Sampling of organs of salmonids
Animal Feed - Organic PC-385 (Rev.2)	Determination of Ascorbyl-2-Monophosphate in Feed and Premixe Based on C. Brodhag, C. Grunenwald and E. Keck. 1997 ROCHE in Fish Feed Vitamin C Monophosphate
PC-386 (Rev.1)	Determination of Vitamin E (dl-alpha-tocopheryl acetate) in Dry Vitamin Premixes by HPLC Based on " W. Schüep and P. Hoffman. ROCHE in Fish Feed Vitamin E (Tocopherol Acetate)
PC-387 (Rev.1)	Determination of stabilized Astaxanthin in premixes and feeds Based on Schierle, N. Faccin, V. Riegert version 1.4 (02.05.05) ROCHE in Fish Feed Astaxanthin