



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

GESTIÓN DE CALIDAD Y LABORATORIO S.A. EUROFINs- GCL
Parque Antonio Rabat Sur 6165 Vitacura
Santiago Chile 766-0118
Marcela Torres +56222400626

BIOLOGICAL

Valid to: January 31, 2020

Certificate Number: 4744.02

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following tests on food, feed, water, and surfaces:

Colilert Techniques

<u>Test</u>	<u>Matrix</u>	<u>Reference Method</u>	<u>Internal Method</u>
Fecal Coliforms by Colilert 18	Well Water, Water for Irrigation, Sea Water	Environmental Protection Agency 40 CFR PART 136	PTMW14
Total and Fecal Coliforms, and <i>Escherichia coli</i> by Colilert	Drinking Water, Well Water, Water for Irrigation	Standard Method 9223A; NCh2043 of 1998	PTMW11
Total and Fecal Coliforms, and <i>E. coli</i> by Colilert 18	Drinking Water, Well Water, Water for Irrigation, Sea Water	Standard Method 9223A; NCh3437 of 2016	PTMW13

Colony Count Techniques

<u>Test</u>	<u>Matrix</u>	<u>Reference Method</u>	<u>Internal Method</u>
<i>Clostridium perfringens</i>	Food	ISO 7937	PTMSer48
<i>E. coli</i>	Food	ISO 16649	PTMSer 41
<i>E. coli</i> by Petrifilm	Manipulators, Surfaces, Utensils	AOAC 991.14	PTMM07 PTMS012
Yeast and Mold	Food	ISO21527-1; ISO21527-2	PTMSer53

Membrane Filtration Techniques

<u>Test</u>	<u>Matrix</u>	<u>Reference Method</u>	<u>Internal Method</u>
Total Coliforms and <i>E. coli</i> by Membrane Filtration	Drinking Water	ISO 9308-1:2014	PTMW12

Molecular Biology Techniques

<u>Test</u>	<u>Matrix</u>	<u>Reference Method</u>	<u>Internal Method</u>
<i>E. coli</i> O157 Molecular Detection MDS-3M	Food and Feed	NF Validation Certificate granted by Afnor Certification, 3M01/12 - 03/13	PTMSer44
<i>Listeria monocytogenes</i> Molecular Detection MDS-3M	Food and Feed	3Ms Next Generation Molecular Detection Assay for <i>Listeria monocytogenes</i> Earms AOAC-PTM	PTMSer45
<i>Salmonella spp.</i> Molecular Detection MDS-3M	Food and Feed	AOAC 2016.01	PTMSer43

PCR Techniques

<u>Test</u>	<u>Matrix</u>	<u>Reference Method</u>	<u>Internal Method</u>
<i>L. monocytogenes</i> Qualitative Detection qPCR	Food and Surfaces	BACGene <i>Listeria monocytogenes</i> AOAC 061703 / AFNOR EGS 38/03 - 01/17	PTMSer49
<i>Salmonella spp.</i> , Qualitative Detection qPCR		BACGene <i>Salmonella spp.</i> AOAC 121501 / AFNOR EGS 38/01-03/15	PTMSer50

PCR Techniques (cont.)

<u>Test</u>	<u>Matrix</u>	<u>Reference Method</u>	<u>Internal Method</u>
<p>- <i>Staphylococcus aureus</i>, <i>E. coli</i>, <i>Salmonella spp.</i>, and <i>L. monocytogenes</i> Qualitative Detection by qPCR - <i>E. coli</i> and <i>S. aureus</i> Semiquantitative Detection by qPCR</p>	<p>Food and Surfaces</p>	<p>U-pacKit – qPCR Detection – based on: - Chandrashekhar, K. M., et al., <i>Folia Microbiologica</i> 60.6 (2015): 465-472 - Elizaquivel, et. al., <i>Food Microbiology</i>, 2008, vol. 25, no 5, p. 705-713 - Law, Jodi Woan-Fei, et al., <i>Frontiers in Microbiology</i> 5 (2015): 770 - Kawasaki, Susumu, et al., <i>Foodborne Pathogens and Disease</i> 7.5 (2010): 549-554 - Rodríguez, Alicia, et al., <i>PCR Primer Design</i>, Humana Press, New York, NY, 2015. 31-56 - Suo, Biao, et al., <i>Foodborne Pathogens and Disease</i>, 2010, vol. 7, no 6, p. 619-628 - Chen, J., et al. <i>Journal of Applied Microbiology</i>, 112.4 (2012): 823-830 - Postollec, Florence, et al., <i>Food Microbiology</i> 28.5 (2011): 848-861. - Germini, Andrea, et al., <i>Food Control</i> 20.8 (2009): 733-738 - <i>Laboratory Methods in Food Microbiology – 3rd Edition</i>. W.F. Harrigan, Academic Press Limited. Chapter 5.3, 6.3; - <i>Microbiological Analysis of foods – Official Analytical Methodology, Volume 3</i>; - National Network of Official Food Analysis Laboratories (RENALOA), Argentina, Section 3.5.2: 11, 25; - ISO 6887-1: Preparation of Test Samples, Initial Suspension and Decimal Dilutions for Microbiological Examination Part I: General Rules for Preparation of Initial Suspension and Decimal Dilutions</p>	<p>PTMSer51</p>

VIDAS Techniques

<u>Test</u>	<u>Matrix</u>	<u>Reference Method</u>	<u>Internal Method</u>
<i>L. monocytogenes</i> (LMO2) VIDAS	Manipulators, Surfaces	NCh3057 of 2007, AFNOR N° BIO-12/11 - 03/04	PTMS09
<i>Salmonella</i> (SLM) VIDAS	Manipulators, Surfaces	NCh3057 of 2007, AFNOR N° BIO-12/16 - 09/05	PTMS010



Accredited Laboratory

A2LA has accredited

GESTIÓN DE CALIDAD Y LABORATORIO S.A.

SANTIAGO, CHILE

for technical competence in the field of

Biological Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 *General requirements for the competence of testing and calibration laboratories*. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated April 2017).



Presented this 9th day of January 2018.

A blue ink signature of the Vice President of Accreditation Services.

Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 4744.02
Valid to January 31, 2020
Revised February 01, 2019

For the tests to which this accreditation applies, please refer to the laboratory's Biological Scope of Accreditation.