



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

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BIOLOGICAL

Valid To: May 31, 2020

Certificate Number: 3258.03

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following tests in the analyte categories identified below:

<u>ALS Method Code</u>	<u>Matrices</u>	<u>Parameter/Analyte</u>	<u>Reference(s)</u>
MF01	Food, Swab	Standard Plate Count at 22°C, 30°C and 37°C in Food Products and Environmental Swab by Pour Plate Technique	USFDA/BAM Ch. 3, 2001
MF02	Food	Enumeration of Coliform Count by Most Probable Number (MPN) Technique	USFDA/BAM Ch. 4, 2002; ISO 4831:2006
MF02-A	Food	Enumeration of Fecal Coliform Count in Food by MPN Technique	USFDA/BAM Ch. 4, 2002; ISO 7251:2005
MF02-B	Food	Enumeration of <i>Escherichia coli</i> in Food by MPN Technique	USFDA/BAM Ch. 4, 2002; ISO 7251:2005
MF02-C	Food, Swab	Enumeration of Coliforms by Colony Count Technique	USFDA/BAM Ch. 4, 2002; ISO 4832:2006
MF02-D	Food, Swab	Enumeration of <i>E. coli</i> by Colony Count Technique	CMMEF Ch. 9, APHA 5 th Edition
MF04	Food, Feed, Swab	Detection of <i>Salmonella</i> spp.	ISO 6579-1:2017
MF05	Food, Swab	Isolation and Enumeration of Coagulase Positive Staphylococci (<i>Staphylococcus aureus</i>)	ISO 6888-1:1999; A1:2003
MF06	Food	Enumeration of Enterococci/ Fecal Streptococcus by MPN Technique	APHA 9230
MF06-A	Food, Swab	Enumeration of Enterococci	CMMEF Ch. 10, APHA 4th Edition
MF07	Food	Detection of <i>Campylobacter</i> spp. by Colony Count Technique	ISO 10272-1:2017
MF08	Food	Detection of <i>Vibrio parahaemolyticus</i> and <i>Vibrio cholerae</i> in Foods and Animal Feeding Stuffs	ISO21872-1:2017

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MF09	Food, Feeds, Swab	Detection of <i>Listeria monocytogenes</i>	ISO 11290-1:2017
MF10	Food	Enumeration of <i>Bacillus cereus</i> by Colony Count Technique	ISO 7932:2004
MF11	Food	Enumeration of <i>Clostridium perfringens</i> by Colony Count Technique	ISO 7937:2004
MF12	Food, Feeds, Swab	Enumeration of Yeast and Molds by Colony Count Technique	ISO 21527-1:2008
MF13	Food, Feeds, Swab	Enumeration of <i>Enterobacteriaceae</i> by Colony Count Technique	ISO 21528-2
MF14	Food	Detection of <i>E. coli</i> O157:H7 by Cultivation	USFDA/BAM Ch. 4A (Modified)
MF15	Canned, Bottled Goods	Sterility of Canned Foods (Commercial Sterility)	USFDA/BAM Ch. 21A; AOAC 972.44
MF16	Packaging	Microbiological Examination of Pulp, Paper and Board	ISO 8784-1
MF19	Food, Feed, Swab	Enumeration of β – glucuronidase – positive <i>E. coli</i>	BS EN ISO 16654:2001
MF20	Food, Feed, Swab	Detection of <i>E. coli</i> in Foods, Animal Feeding Stuffs and Environmental Samples	ISO 7251: 2005
MF24	Food	Enumeration of Mesophilic Lactic Acid Bacteria by Colony Count Technique at 30°C	ISO 15214:1998
MF27	Food, Feed, Swab	Enumeration of <i>L. monocytogenes</i> and <i>Listeria</i> species in Food, Animal Feeding Stuffs, and Swab	ISO 11290-2:2017
MF30	Feeds	Enumeration of Aerobic Bacteria in Animal Feeds by Pour Plate Technique	FAO 2013 – Animal Production Health Manual
MF31	Food, Feed, Swab	Enumeration of Presumptive <i>Pseudomonas</i> spp. in Food, Animal Feeding Stuffs, and Swabs	BS EN ISO 13720:2010
MF32	Food, Feed, Swab	Enumeration of Sulfite-Reducing Clostridia in Foods by Colony Count Technique	BS ISO 15213:2003
MF33	Food	Enumeration of <i>Aeromonas</i> spp. in Foods by Colony Count Technique	American Society for Microbiology, pp. 249-253, Vol. 53 No. 2
MF37	Food, Feed, Swab	Enumeration of Aerobic Plate Count in Foods, Animal Feeding Stuffs, and Environmental Swabs by Petrifilm Aerobic Count Plate Method	AOAC 990.12



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MF38	Food, Feed, Swab	Enumeration of Coliform Count in Foods, Animal Feeding Stuffs, and Environmental Swabs by Petrifilm Coliform Count Method	AOAC 989.10, 991.14
MF39	Food, Swabs	Enumeration of <i>Enterobacteriaceae</i> by Petrifilm Enterobacteriaceae Count Plate	AOAC 2003.01
MF40	Food	Enumeration of Yeast and Molds using Petrifilm Yeast and Mold Count Plate	AOAC 997.02
MF41	Food, Feed, Swab	Enumeration of <i>Staphylococcus aureus</i> in Foods and Animal Feeding Stuffs using Petrifilm Staph Express Count Plate Method	AOAC 2003.07, 2003.08, 2003.11
MS001	Soil, Sludge	Detection of <i>Salmonella</i> spp. by Cultivation Technique	AS/NZS 4276.14:1995
MS002	Soil, Sludge	Enumeration of Aerobic Plate Count by Pour Plate Method	AS/NZS 4276.3.1; Environmental Microbiology, Case, C. L.
MS003	Soil, Sludge	Enumeration of Total Coliform in Soil by Colony Count Technique	AS 4276.4
MS004	Soil, Sludge	Enumeration of Total Coliform & Fecal Coliform by MPN Technique	AS/NZS 4276.6:1995
MW002	Water	Total (Heterotrophic) Plate Count by Pour Plate Technique	AS/NZS 4276.3.1; SM 9215B, 22 nd Edition
MW005	Water	Enumeration of Total Coliform by MPN Technique	SM 9221B, 22 nd Edition
MW006	Water	Enumeration of <i>E. coli</i> by Membrane Filtration (MF) Technique	AS/NZS 4276.7:2007
MW006	Water	Enumeration of Fecal (Thermotolerant) Coliforms by MF Technique	AS/NZS 4276.7:2007
MW007	Water	Enumeration of Total Coliforms by MF Technique	AS/NZS 4276.5:2007
MW008	Water	Enumeration of <i>E.coli</i> by MPN Technique	AS/NZS 4276.6:2007
MW008	Water	Enumeration of Thermotolerant (Fecal) Coliform in Water by MPN Technique	AS/NZS 4276.6:2007
MW009	Water	Enumeration of Total Coliform by MPN Technique	AS/NZS 4276.6:2007
MW010	Water	Enumeration of <i>Pseudomonas aeruginosa</i> by MF Technique	AS/NZS 4276.13:2008
MW011	Water	Enumeration of <i>Pseudomonads</i> by MF Technique	AS/NZS 4276.11:1995
MW013	Water	Enumeration of Fecal Streptococci spp. by MF Technique	SM 9230C, 22 nd Edition
MW014	Water	Enumeration of Fecal Streptococci by MPN Technique	AS/NZS 4276.8:1995
MW021SA	Water, Swab	Enumeration of <i>Legionella</i> spp. including <i>L. pneumophila</i> by Cultivation Technique	ISO 11731:2017
MW022	Water	Detection of <i>Salmonella</i> spp. by MF Technique	ISO 19250:2010



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MW023	Water	Enumeration of Enterococci spp. by MF Technique	AS/NZS 4276.9:2007
MW030	Water	Enumeration of Fungi (Yeast and Molds) by Pour Plate Method	SM 9610B&C, 22 nd Edition
MW032	Water	Enumeration of <i>Legionella</i> spp. including <i>L. pneumophila</i> by Direct MF Technique	ISO 11731:2017
MW033	Water	Enumeration of <i>Clostridium perfringens</i> by MF Technique	ISO 14189:2013
MW034	Water	Enumeration of Coagulase Positive Staphylococci (<i>S. aureus</i>) by MF Technique	AS/NZS 4276.20:2003
MW035	Water	Enumeration of Heterotrophic Plate Count by MF Technique	SM 9215D, 22 nd Edition
MW036	Water	Enumeration of Thermotolerant (Faecal) Coliform and <i>E. coli</i> by Most Probable Number (MPN) Technique	SM 9221E&F, 22 nd Edition
MW049	Water	Enumeration of Sulphite Reducing Clostridia by MF Technique	The Microbiology of Drinking Water (2016) – Part 6, Environment Agency, UK





Accredited Laboratory

A2LA has accredited

AUSTRALIAN LABORATORY SERVICES CO. LTD. (ALS ARABIA) – DAMMAM

Dammam, SAUDI ARABIA

for technical competence in the field of

Biological Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005 *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 27th day of August 2018.

A handwritten signature in black ink, written over a horizontal line.

President and CEO
For the Accreditation Council
Certificate Number 3258.03
Valid to May 31, 2020

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