



ANSI-ASQ National Accreditation Board

**SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005 AND  
AOAC FOOD LABORATORY REQUIREMENTS**

**Molecular Epidemiology, Inc. (MEI)  
dba IEH Laboratories and Consulting Group**

15300 Bothell Way NE  
Lake Forest Park, WA 98155  
Fatemeh Samadpour 206-522-5432  
[fs@iehinc.com](mailto:fs@iehinc.com) [www.iehinc.com](http://www.iehinc.com)

**TESTING**

Valid to: **January 31, 2019**

Certificate Number: **AT-1516**

**Microbial**

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Food Analytical Prep	MB001-MEI Sample Preparation for Microbial Analyses	Food Products, Pharmaceuticals, Environmental Samples	IEH Method
<i>E. coli</i> O157 / STEC	MB038: USDA Cultural Confirmation Only USDA MLG 5	Food Products, Pharmaceuticals, Environmental Samples	Lateral Flow EIA
Detection of <i>Salmonella</i>	MB094-MEI USDA MLG 4	Food Products, Pharmaceuticals, Environmental Samples	USDA Method
Pathogenic <i>E. coli</i>	MB929 BAM: Chapter 4a	Food Products, Pharmaceuticals, Environmental Samples	FDA BAM Method
Nucleic acids	MB541	Plant / Food Material, Animal Tissue, Bacterial Cells	Enzymatic Digestion
<i>E. coli</i> O157, EHEC, STEC	MB217.01 AOAC-RI PTM 10070)	Food Products, Pharmaceuticals, Environmental Samples	PCR System
<i>Salmonella</i> sp.	MB217.01 AOAC-RI PTM 100701	Food Products, Pharmaceuticals, Environmental Samples	PCR System
<i>Salmonella</i> sp.	MB315.01	Food Products, Pharmaceuticals, Environmental Samples	PCR System



**Microbial**

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
<i>Shigella</i> sp.	MB222.01	Food Products, Pharmaceuticals, Environmental Samples	PCR System
<i>Listeria</i> sp. and <i>L. monocytogenes</i>	MB316.01 AOAC-RI-PTM 021201	Food Products, Pharmaceuticals, Environmental Samples	PCR System
Process Control Index	MB491.01	Food Products, Pharmaceuticals, Environmental Samples	PCR System
GMO Detection <b>Screening elements:</b> P35S, NOS, FMV; <b>Corn:</b> T25, CBH351, MON810, GA21, Bt176, Bt11, NK603, TC1507, Mon863, DAS 59122, MIR 604, Event 3272, MON 88017, MON 89034, MIR 162; <b>Soy:</b> A2704-12, A5547-127, GTS 40-3-2, FG72, MON 87701, MON 89788, DP305426, DP356043, <b>Cotton:</b> 3006-213, Event 1, COT67B, GHB614, LL cotton25, MON 15985, MON 1445; <b>Potato:</b> 1210amk, EH92-527-1; <b>Sugarbeets:</b> H7-1	MB544 Detection and Identification of GM crops by Multiplex PCR	Plant / Food material	PCR System
Detection and Identification of Allergens	MB 547	Food Products	PCR System
Meat Authentication (Beef, Pork, Lamb, Horse, Turkey and Chicken)	MB542	Meat	PCR System
<i>Bacillus cereus</i> Group Toxins	MB505	Food Products, Pharmaceuticals, Environmental Samples	PCR System
<i>Salmonella</i> sp.	MB921 BAX System PCR Assay <i>Salmonella</i> USDA MLG 4 (AOAC 992.11)	Food Products, Pharmaceuticals, Environmental Samples	BAX Method

**Microbial**

<b>Specific Tests and/or Properties Measured</b>	<b>Specification, Standard, Method, or Test Technique</b>	<b>Items, Materials or Product Tested</b>	<b>Key Equipment or Technology</b>
<i>E. coli</i> O157:H7	MB922 BAX System PCR Assay <i>E. coli</i> O157:H7 MP USDA MLG 5	Food Products, Pharmaceuticals, Environmental Samples	BAX Method
Presence of <i>Staphylococcus aureus</i>	MB561 Detection of <i>Staphylococcus aureus</i>	Food Products, Nutraceuticals, Pharmaceuticals, Environmental Samples	USP Method
Presence of <i>Salmonella sp.</i>	MB562 Detection of <i>Salmonella sp.</i>	Food Products, Nutraceuticals, Pharmaceuticals, Environmental Samples	USP Method
Presence of <i>Escherichia coli</i>	MB563 Detection of <i>Escherichia coli</i>	Food Products, Nutraceuticals, Pharmaceuticals, Environmental Samples	USP Method
Presence of <i>Clostridium sp.</i>	MB564 Detection of <i>Clostridium sp.</i>	Food Products, Nutraceuticals, Pharmaceuticals, Environmental Samples	USP Method
Presence of <i>Pseudomonas aeruginosa</i>	MB565 Detection of <i>Pseudomonas aeruginosa</i>	Food Products, Nutraceuticals, Pharmaceuticals, Environmental Samples	USP Method
Aerobic Plate Count	MB566 Aerobic Plate Count	Food Products, Nutraceuticals, Pharmaceuticals, Environmental Samples	USP Method
Yeast and Mold Count.	MB567 Combined Yeast and Mold Count	Food Products, Nutraceuticals, Pharmaceuticals, Environmental Samples	USP Method
Enterobacterial Count	MB 568 Enterobacterial Count	Food Products, Nutraceuticals, Pharmaceuticals, Environmental Samples	USP Method
Coliform/E.coli Count	MB569 Coliform/E.coli Count	Food Products, Nutraceuticals, Pharmaceuticals, Environmental Samples	Microfilm™ TCEc

**Microbial**

<b>Specific Tests and/or Properties Measured</b>	<b>Specification, Standard, Method, or Test Technique</b>	<b>Items, Materials or Product Tested</b>	<b>Key Equipment or Technology</b>
Yeast and Mold Count.	MB570 Yeast and Mold Count.	Food Products, Nutraceuticals, Pharmaceuticals, Environmental Samples	Microfilm™ YMC
Aerobic Plate Count	MB571 Aerobic Plate Count	Food Products, Nutraceuticals, Pharmaceuticals, Environmental Samples	Microfilm™ APC
Identification of Microorganisms by DNA Sequencing	MB450-MEI	Food Products, Pharmaceuticals, Environmental Samples	DNA Sequencing
Bacterial Sub-typing by Pulsed Field Gel Electrophoresis	MB454-MEI	Food Products, Pharmaceuticals, Environmental Samples	Pulsed Field Gel Electrophoresis
Microscopic Analysis of Microorganisms	MB457-MEI	Food Products, Pharmaceuticals, Environmental Samples	Light Microscope
Phenotypic Analysis of Microorganisms	MB473-MEI	Food Products, Pharmaceuticals, Environmental Samples	IEH Method VITEK Analyzer
Total Coliform / <i>E. coli</i> Count	MB072.01 AOAC 991.14; AOAC 998.08	Food Products, Pharmaceuticals, Environmental Samples	Petrifilm
Aerobic Plate Count	MB073.02 AOAC 990.12	Food Products, Pharmaceuticals, Environmental Samples	Petrifilm
Yeast & Mold Count	MB492-MEI AOAC 997.02	Food Products, Pharmaceuticals, Environmental Samples	Petrifilm
<i>Enterobacteriaceae</i> Plate Count	MB219.02, AOAC 2003.01; FDA BAM, 8 <sup>th</sup> Ed.	Food Products, Pharmaceuticals, Environmental Samples	Petrifilm
Lactic Acid Bacteria	MB343-MEI	Food Products, Pharmaceuticals, Environmental Samples	Petrifilm Anaerobic Incubation
<i>Staphylococcus aureus</i>	MB443.01 AOAC 2003.07; AOAC 2003.08; AOAC 2003.11	Food Products, Pharmaceuticals, Environmental Samples	Petrifilm
Yeast & Mold Count	MB074.02	Food Products	Petrifilm

**Microbial**

<b>Specific Tests and/or Properties Measured</b>	<b>Specification, Standard, Method, or Test Technique</b>	<b>Items, Materials or Product Tested</b>	<b>Key Equipment or Technology</b>
Anaerobic Plate Count	MB073	Food Products	Pour Plate Anaerobic Incubation
Lactic Acid Bacteria Count	MB231 CMMEF, 4 <sup>th</sup> Ed.	Food Products, Pharmaceuticals, Environmental Samples	Pour Plate
IEH- <i>E. coli</i> -MPN (12 hours)	MB081-MEI	Food Products, Pharmaceuticals, Environmental Samples	IEH Method
IEH-APC-MPN (12 hours)	MB704	Food Products, Pharmaceuticals, Environmental Samples	IEH Method
IEH-ACE-MPN (24 hours)	MB705	Food Products, Pharmaceuticals, Environmental Samples	IEH Method
3-Tube MPN and 5-Tube MPN Coliform / FC / generic <i>E. coli</i>	MB923 FDA BAM, 8 <sup>th</sup> ed.; SM9221	Food Products, Pharmaceuticals, Environmental Samples	Multiple Tube Fermentation
Total Coliforms / Fecal Coliforms / <i>E. coli</i>	MB923 SM 9221	Food Products, Pharmaceuticals, Environmental Samples	Multiple Tube Fermentation
Total Coliforms / <i>E. coli</i>	MB928 US EPA 1604	Food Products, Pharmaceuticals, Environmental Samples	Membrane Filtration

**Chemical**

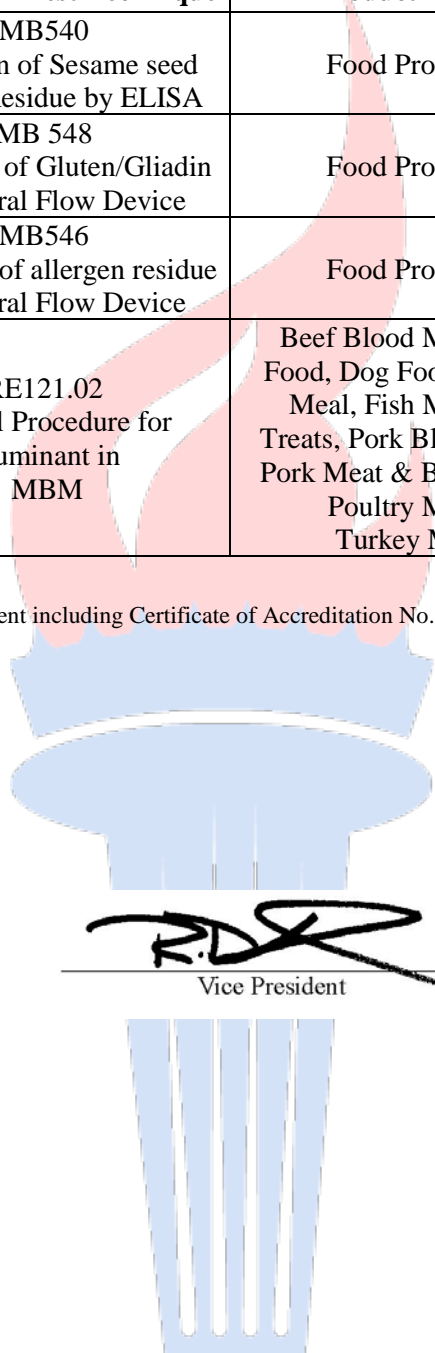
<b>Specific Tests and/or Properties Measured</b>	<b>Specification, Standard, Method, or Test Technique</b>	<b>Items, Materials or Product Tested</b>	<b>Key Equipment or Technology</b>
Determination of Water Activity	MB559 The determination of water Activity	Food Products, Nutraceuticals, Pharmaceuticals, Environmental Samples	Water Activity Meter
Gluten	MB538 Detection of Gliadin (Gluten) by ELISA	Food Products	ELISA system
Various Allergens	MB539 Detection of Allergen Residue by ELISA	Food Products	ELISA system

**Chemical**

<b>Specific Tests and/or Properties Measured</b>	<b>Specification, Standard, Method, or Test Technique</b>	<b>Items, Materials or Product Tested</b>	<b>Key Equipment or Technology</b>
Sesame protein	MB540 Detection of Sesame seed protein Residue by ELISA	Food Products	ELISA system
Gluten	MB 548 Detection of Gluten/Gliadin by Lateral Flow Device	Food Products	Lateral Flow Device
Allergen Residue	MB546 Detection of allergen residue by Lateral Flow Device	Food Products	Lateral Flow Device
Ruminant material	RE121.02 Reveal Procedure for Ruminant in MBM	Beef Blood Meal, Cat Food, Dog Food, Feather Meal, Fish Meal, Pet Treats, Pork Blood Meal, Pork Meat & Bone Meal, Poultry Meal, Turkey Meal	Immunoassay

Note:

1. This scope is formatted as part of a single document including Certificate of Accreditation No. AT-1516.



*R. D. R.*  
Vice President