



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

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TESTING

Valid to: January 31, 2019

Certificate Number: AT - 1516

I. Microbiological

ITEMS, MATERIALS OR PRODUCTS TESTED	SPECIFIC TESTS OR PROPERTIES MEASURED	SPECIFICATION, STANDARD METHOD OR TECHNIQUE USED	*KEY EQUIPMENT OR TECHNOLOGY
Food Products, Pharmaceuticals, Environmental Samples	Food Analytical Prep	MB001-MEI Sample Preparation for Microbial Analyses	IEH Method
Food Products, Pharmaceuticals, Environmental Samples	<i>E. coli</i> O157 / STEC	MB038: USDA Cultural Confirmation Only USDA MLG 5	Lateral Flow EIA
Food Products, Pharmaceuticals, Environmental Samples	Detection of <i>Salmonella</i>	MB094-MEI (USDA MLG 4)	USDA Method
Food Products, Pharmaceuticals, Environmental Samples	Pathogenic <i>E. coli</i>	MB929 (BAM: Chapter 4a)	FDA BAM Method
Plant / Food Material, Animal Tissue, Bacterial Cells	Nucleic acids	MB541	Enzymatic Digestion
Food Products, Pharmaceuticals, Environmental Samples	<i>E. coli</i> O157, EHEC, STEC	MB217.01 (AOAC-RI PTM 100701)	PCR System
Food Products, Pharmaceuticals, Environmental Samples	<i>Salmonella</i> sp.	MB217.01 (AOAC-RI PTM 100701)	PCR System
Food Products, Pharmaceuticals, Environmental Samples	<i>Salmonella</i> sp.	MB315.01	PCR System



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Food Products, Pharmaceuticals, Environmental Samples	<i>Shigella</i> sp.	MB222.01	PCR System
Food Products, Pharmaceuticals, Environmental Samples	<i>Listeria</i> sp. and <i>L. monocytogenes</i>	MB316.01 (AOAC-RI-PTM 021201)	PCR System
Food Products, Pharmaceuticals, Environmental Samples	Process Control Index	MB491.01	PCR System
Plant / Food material	GMO Detection Screening elements: P35S, NOS, FMV; Corn: T25, CBH351, MON810, GA21, Bt176, Bt11, NK603, TC1507, Mon863, DAS 59122, MIR 604, Event 3272, MON 88017, MON 89034, MIR 162; Soy: A2704-12, A5547- 127, GTS 40-3-2, FG72, MON 87701, MON 89788, DP305426, DP356043, Cotton: 3006-213, Event 1, COT67B, GHB614, LL cotton25, MON 15985, MON 1445; Potato: 1210amk, EH92-527-1; Sugarbeets: H7-1	MB544 Detection and Identification of GM crops by Multiplex PCR	PCR System
Food Products	Detection and Identification of Allergens	MB 547	PCR System
Meat	Meat Authentication (Beef, Pork, Lamb, Horse, Turkey and Chicken)	MB542	PCR System
Food Products, Pharmaceuticals, Environmental Samples	<i>Bacillus cereus</i> Group Toxins	MB505	PCR System
Food Products, Pharmaceuticals, Environmental Samples	<i>Salmonella</i> sp.	MB921 BAX System PCR Assay <i>Salmonella</i> USDA MLG 4 (AOAC 992.11)	BAX Method
Food Products, Pharmaceuticals, Environmental Samples	<i>E. coli</i> O157:H7	MB922 BAX System PCR Assay <i>E. coli</i> O157:H7 MP USDA MLG 5	BAX Method

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Food Products, Nutraceuticals, Pharmaceuticals, Environmental Samples	Presence of <i>Staphylococcus aureus</i>	MB561 Detection of <i>Staphylococcus aureus</i>	USP Method
Food Products, Nutraceuticals, Pharmaceuticals, Environmental Samples	Presence of <i>Salmonella sp.</i>	MB562 Detection of <i>Salmonella sp.</i>	USP Method
Food Products, Nutraceuticals, Pharmaceuticals, Environmental Samples	Presence of <i>Escherichia coli</i>	MB563 Detection of <i>Escherichia coli</i>	USP Method
Food Products, Nutraceuticals, Pharmaceuticals, Environmental Samples	Presence of <i>Clostridium sp.</i>	MB564 Detection of <i>Clostridium sp.</i>	USP Method
Food Products, Nutraceuticals, Pharmaceuticals, Environmental Samples	Presence of <i>Pseudomonas aeruginosa</i>	MB565 Detection of <i>Pseudomonas aeruginosa</i>	USP Method
Food Products, Nutraceuticals, Pharmaceuticals, Environmental Samples	Presence of <i>Staphylococcus aureus</i>	MB561 Detection of <i>Staphylococcus aureus</i>	USP Method
Food Products, Nutraceuticals, Pharmaceuticals, Environmental Samples	Presence of <i>Salmonella sp.</i>	MB562 Detection of <i>Salmonella sp.</i>	USP Method
Food Products, Pharmaceuticals, Environmental Samples	Identification of Microorganisms by DNA Sequencing	MB450-MEI	DNA Sequencing
Food Products, Pharmaceuticals, Environmental Samples	Bacterial Sub-typing by Pulsed Field Gel Electrophoresis	MB454-MEI	Pulsed Field Gel Electrophoresis
Food Products, Pharmaceuticals, Environmental Samples	Microscopic Analysis of Microorganisms	MB457-MEI	Light Microscope
Food Products, Pharmaceuticals, Environmental Samples	Phenotypic Analysis of Microorganisms	MB473-MEI	IEH Method VITEK Analyzer
Food Products, Pharmaceuticals, Environmental Samples	Total Coliform / <i>E. coli</i> Count	MB072.01 (AOAC 991.14 & 998.08)	Petrifilm
Food Products, Pharmaceuticals, Environmental Samples	Aerobic Plate Count	MB073.02 (AOAC 990.12)	Petrifilm

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Food Products, Pharmaceuticals, Environmental Samples	Yeast & Mold Count	MB492-MEI (AOAC 997.02)	Petrifilm
Food Products, Pharmaceuticals, Environmental Samples	<i>Enterobacteriaceae</i> Plate Count	MB219.02, (AOAC 2003.01 FDA BAM, 8 th Ed.)	Petrifilm
Food Products, Pharmaceuticals, Environmental Samples	Lactic Acid Bacteria	MB343-MEI	Petrifilm Anaerobic incubation
Food Products, Pharmaceuticals, Environmental Samples	<i>Staphylococcus aureus</i>	MB443.01 (AOAC 2003.07, 2003.08, 2003.11)	Petrifilm
Food Products	Yeast & Mold Count	MB074.02	Petrifilm
Food Products	Anaerobic Plate Count	MB073	Pour Plate Anaerobic incubation
Food Products, Pharmaceuticals, Environmental Samples	Lactic Acid Bacteria Count	MB231 (CMMEF, 4 th Ed.)	Pour Plate
Food Products, Pharmaceuticals, Environmental Samples	IEH- <i>E. coli</i> -MPN 12 hrs	MB081-MEI	IEH Method
Food Products, Pharmaceuticals, Environmental Samples	IEH-APC-MPN (12 hours)	MB704	IEH Method
Food Products, Pharmaceuticals, Environmental Samples	IEH-ACE-MPN (24 hours)	MB705	IEH Method
Food Products, Pharmaceuticals, Environmental Samples	3-Tube MPN and 5-Tube MPN Coliform / FC / generic <i>E. coli</i>	MB923 (FDA BAM, 8 th ed. (SM9221)	Multiple Tube Fermentation
Food Products, Pharmaceuticals, Environmental Samples	Total Coliforms / Fecal Coliforms / <i>E. coli</i>	MB923 (SM 9221)	Multiple Tube Fermentation
Food Products, Pharmaceuticals, Environmental Samples	Total Coliforms / <i>E. coli</i>	MB928 (USEPA 1604)	Membrane Filtration
Food Products	Gluten	MB538 Detection of Gliadin (Gluten) by ELISA	ELISA system

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Food Products	Various	MB539 Detection of Allergen Residue by ELISA	ELISA system
Food Products	Sesame protein	MB540 Detection of Sesame seed protein Residue by ELISA	ELISA system
Food Products	Gluten	MB 548 Detection of Gluten/Gliadin by Lateral Flow Device	Lateral Flow Device
Food Products	Allergen Residue	MB546 Detection of allergen residue by Lateral Flow Device	Lateral Flow Device
Beef Blood Meal, Cat Food, Dog Food, Feather Meal, Fish Meal, Pet Treats, Pork Blood Meal, Pork Meat & Bone Meal, Poultry Meal, Turkey Meal	Ruminant material	RE121.02 Reveal Procedure for Ruminant in MBM	Immunoassay

Notes:

1. * = As Applicable
1. Laboratory evaluated to the AOAC International Guidelines for Laboratories performing Microbiological and Chemical Analysis of Food and Pharmaceuticals.
2. *This scope is formatted as part of a single document including the Certificate of Accreditation No. AT-1516*



Vice President