



APPLIED FOOD

DIAGNOSTICS



PRODUCT CATALOG



Applied Food Diagnostics

focuses on the development and manufacturing of innovative, rapid detection molecular and microbiological products for sampling and testing food and beverage. We offer a broad range of detection kits, microbiological media, laboratory consumables and sample collection supplies for food science applications. Our portfolio includes several AOAC PTM Approved pathogen detection kits.



Test Kits	MEMP-qPCR	3
	SIMUL-qPCR	4
Sample Collection	Sponges	5
	Flocked Swabs	6
	Sample Bags	
	Specimen Containers nBPW	
Laboratory Consumables	Filtered & Non-Filtered Pipette Tips	7
	Filter Monitors	
	Blender Bags	
	Inoculation Loops	
	Petri Dishes	
	Test Tubes	
Microbiological Media	Dehydrated Media	8
	Prepared Plates	9
Buffers & Dilutions		9





Trust the Applied Food Diagnostics MEMP-qPCR assay for a quick and reliable method of detecting *Listeria* spp. or *Salmonella* spp. on your environmental surface. The MEMP assays have been validated by the AOAC™ Research Institute under the Performance Test Methods™ program. These assays require no enrichment, allowing for results to be determined in less than 90 minutes. All MEMP assays are designed to have the same instrument run time, allowing simultaneous identification of all MEMP assays.

MEMP Salmonella Detection Kit

The MEMP *Salmonella* assay is the first of its kind to be validated by the AOAC PTM. The assay incorporates a real-time PCR approach to identifying *Salmonella* cells expressed from a swab sample. The MEMP assay is able to detect as little as 10 CFU/swab without any enrichment media necessary.



SKU	Description	UOM
MEMP-SAL-032	MEMP Assay for <i>Salmonella</i> Detection	1 kit /32 Tests
MEMP-SAL-032-CTN	MEMP Assay for <i>Salmonella</i> Detection (case)	6 kits /192 Tests

MEMP Listeria Detection Kit

Food processors and associated laboratories can use the MEMP assay as a quick and reliable method for detecting *Listeria* species in environmental samples. The MEMP assay incorporates a real-time PCR approach to identifying *Listeria* cells expressed from a swab sample. The MEMP assay is able to detect as little as 10 CFU/swab without any enrichment media necessary.



SKU	Description	UOM
MEMP-LIS-032	MEMP Assay for <i>Listeria</i> Detection	1 kit /32 Tests
MEMP-LIS-032-CTN	MEMP Assay for <i>Listeria</i> Detection (case)	6 kits /192 Tests

MEMP Swabbing Kit



SKU	Description	UOM
MEMP-SWB-030	MEMP Swabbing Kit	1 kit /30 Tests
MEMP-SWB-030-CTN	MEMP Swabbing Kit	6 kits / 180 Tests

PCR Instrument



SKU	Description	UOM
AFD-Mini16-001	PCR Instrument	1 Unit
AFD-Pro32-001	PCR Instrument	1 Unit



The Applied Food Diagnostics SIMUL-qPCR Assay Collection is comprised of test kits capable of detecting *Listeria* species/*monocytogenes*, *Salmonella* species, or the Top 7 Shiga-toxin producing *E. coli* quickly and accurately. The SIMUL assays have been validated by the AOAC™ Research Institute under the Performance Test Methods™ program. All of the SIMUL assays are designed to have the same instrument run time, allowing simultaneous identification of all SIMUL assay targets.

Description	1 Kit/32 Tests	1 case/192 Tests	1 Kit/96 Tests	1 case/576 Tests
SIMUL-qPCR <i>Salmonella</i> species Assay Kit	SMRT-SAL-032	SMRT-SAL-032-CTN	SMRT-SAL-096	SMRT-SAL-096-CTN
SIMUL-qPCR <i>Listeria</i> species & <i>monocytogenes</i> Assay Kit	SMRT-LSLM-032	SMRT-LSLM-032-CTN	SMRT-LSLM-096	SMRT-LSLM-096-CTN
SIMUL-qPCR <i>E. coli</i> O157:H7 Assay Kit	SMRT-ECH7-032	SMRT-ECH7-032-CTN	SMRT-ECH7-096	SMRT-ECH7-096-CTN
SIMUL-qPCR <i>E. coli</i> O26 & <i>E. coli</i> O103 Assay Kit	SMRT-O26O103-032	SMRT-O26O103-032-CTN	SMRT-O26O103-096	SMRT-O26O103-096-CTN
SIMUL-qPCR <i>E. coli</i> O45 & <i>E. coli</i> O121 Assay Kit	SMRT-O45O121-032	SMRT-O45O121-032-CTN	SMRT-O45O121-096	SMRT-O45O121-096-CTN
SIMUL-qPCR <i>E. coli</i> O111 & <i>E. coli</i> O145 Assay Kit	SMRT-O111O145-032	SMRT-O111O145-032-CTN	SMRT-O111O145-096	SMRT-O111O145-096-CTN
SIMUL-qPCR Shiga Toxin (stx) & Intimin (eae) Gene Assay Kit	SMRT-STXAE-032	SMRT-STXAE-032-CTN	SMRT-STXAE-096	SMRT-STXAE-096-CTN





Quick Release Sampler

The Quick Release Sampler from Applied Food Diagnostics offers a safer and more durable device for sampling the environment surrounding the food and beverage industry. All aspects of the design, from the release mechanism on the handle to the wire closure on the bag, have been optimized to provide companies with the best product for sample collection.

SKU	Description	UOM
SC-SQRS-BPW-100	Quick Release Sampler Hydrated with Buffered Peptone Water	1 case / 100 sponges
SC-SQRS-LB-100	Quick Release Sampler Hydrated with Lethen Broth	1 case / 100 sponges
SC-SQRS-NB-100	Quick Release Sampler Hydrated with Neutralizing Broth	1 case / 100 sponges
SC-SQRS-NRB-100	Quick Release Sampler Hydrated with Neutralizing and Recovery Broth	1 case / 100 sponges
SC-SQRS-DENB-100	Quick Release Sampler Hydrated with DE-Neutralizing Broth	1 case / 100 sponges



Pole Adapter for Quick Release Sponge

Need to swab a hard to reach area? The Quick Release Pole Adapter offers a safe and easy solution. Just insert the bottom of our Quick Release Sampler wand into the adapter slot, slide the rest of the sampler wand into place and twist the adapter to a pole to swab the desired area.

SKU	Description	UOM
SC-SQRS-PA-001	Pole Adapter for Quick Release Sampler	1



Polyurethane Sponge

Applied Food Diagnostics offers Polyurethane Sponges dry and hydrated with various media options to optimize growth promotion of the bacteria being detected. These sponges are supplied in sterile, leak-proof bags with a wire closure and large area to write sample descriptions. Available with or without gloves.

SKU	Description	UOM
SC-S-BPW-100	Hydrated Sponge with Buffered Peptone Water	1 case / 100 sponges
SC-S-NB-100	Hydrated Sponge with Lethen Broth	1 case / 100 sponges
SC-S-NRB-100	Hydrated Sponge with Neutralizing Broth	1 case / 100 sponges
SC-S-LB-100	Hydrated Sponge with Neutralizing and Recovery Broth	1 case / 100 sponges
SC-S-DENB-100	Hydrated Sponge with DE-Neutralizing Broth	1 case / 100 sponges
SC-S-DRY-100	Dry Polyurethane Sponge	1 case / 100 sponges
SC-S-BPW-100G	Hydrated Sponge with Buffered Peptone Water with Gloves	1 case / 100 sponges
SC-S-NB-100G	Hydrated Sponge with Lethen Broth with Gloves	1 case / 100 sponges
SC-S-NRB-100G	Hydrated Sponge with Neutralizing Broth with Gloves	1 case / 100 sponges
SC-S-LB-100G	Hydrated Sponge with Neutralizing and Recovery Broth with Gloves	1 case / 100 sponges
SC-S-DENB-100G	Hydrated Sponge with DE-Neutralizing Broth with Gloves	1 case / 100 sponges
SC-S-DRY-100G	Dry Polyurethane Sponge with Gloves	1 case / 100 sponges



Sterile Flocked Collection Swab

For those small areas that sponges can't swab effectively, our sterile flocked swabs are a better solution. Flocked swabs are superior to cotton swabs because while cells will adhere to both effectively, flocked swabs are not as absorbent so they will release more cells than a cotton swab during elution, which leads to more accurate testing of the environment.



SKU	Description	UOM
SC-SFCS-SWAB-100	Sterile Flocked Collection Swab	1 case/100 swabs

Sample Collection Bags



SKU	Description	UOM
SC-SSB540-CTN-500	18 oz. (540 ml), 9 in x 4.5 in	1 case/500 bags
SC-SSB720-CTN-500	24 oz. (720 ml), 9 in x 5.5 in	1 case/500 bags
SC-SSB1650-CTN-250	56 oz. (1650 ml), 11.8 in x 7 in	1 case/250 bags
SC-SSB1800-CTN-250	60 oz. (1800 ml), 10 in x 10 in	1 case/250 bags
SC-SSB3000-CTN-250	100 oz. (3000 ml), 14 in x 10 in	1 case/250 bags

Sterile Specimen Container

The Applied Food Diagnostics sterile specimen containers feature a wide mouth design for easy sample collection and screw top closure to prevent leakage.



SKU	Description	UOM
SC-SC070-CTN-050	70 mL Sterile Specimen Containers	1 case/50 Containers
SC-SC090-CTN-050	90 mL Sterile Specimen Containers	1 case/50 Containers

Neutralizing Buffered Peptone Water (nBPW) for 400ml Bird Rinse

For the poultry industry, we offer 400mL Neutralizing Buffered Peptone Water (nBPW) for bird rinse sampling. We offer a pre-measured amount of rinse in an easy-to-open, easy-to-grip container to make your bird rinse sampling quick and easy!



SKU	Description	UOM
SC-BR-NBPW-0400	400 mL Bird Rinse nBPW	1 case/12 Bottles



Filtered & Non-Filtered Pipette Tips

Bulk:

One bag contains 1000 units. One case contains 10 bags.

Racked:

200µL & 200µL: One box contains 10 racks of 96 units each. One case contains 5 boxes.

1000µL & 1250µL: One box contains 8 racks of 96 units each. One case contains 5 boxes.

Refill:

200µL: One box contains 10 racks of 96 units each. One case contains 5 boxes.

1000µL & 1250µL: One box contains 8 racks of 96 units each. One case contains 5 boxes.



Description	Bulk Bag	Bulk Case	Racked Box	Racked Case	Refill Box	Refill Case
20µL Filtered Pipette Tips	LC-PFTB20-BAG	LC-PFTB20-CTN	LC-PFTRK20-BOX	LC-PFTRK20-CTN		
200µL Non-Filtered Pipette Tips	LC-PTB200-BAG	LC-PTB200-CTN	LC-PTRK200-BOX	LC-PTRK200-CTN	LC-PTR200-BOX	LC-PTR200-CTN
200µL Filtered Pipette Tips	LC-PFTB200-BAG	LC-PFTB200-CTN	LC-PFTRK200-BOX	LC-PFTRK200-CTN		
1000µL Non-Filtered Pipette Tips	LC-PTB1000-BAG	LC-PTB1000-CTN	LC-PTRK1000-BOX	LC-PTRK1000-CTN	LC-PTR1000-BOX	LC-PTR1000-CTN
1000µL Filtered Pipette Tips	LC-PFTB1000-BAG	LC-PFTB1000-CTN	LC-PFTRK1000-BOX	LC-PFTRK1000-CTN		
1250µL Non-Filtered Pipette Tips	LC-PTB1250-BAG	LC-PTB1250-CTN	LC-PTRK1250-BOX	LC-PTRK1250-CTN	LC-PTR1250-BOX	LC-PTR1250-CTN
1250µL Filtered Pipette Tips	LC-PFTB1250-BAG	LC-PFTB1250-CTN	LC-PFTRK1250-BOX	LC-PFTRK1250-CTN		



Additional Laboratory Consumables



SKU	Description	UOM
LC-PD090-CTN	90mm Petri Dishes	1 Case/500 Pieces
LC-MCTB015-CTN	1.5mL Microcentrifuge Tubes	1 Case/5000 Pieces
LC-MCTB020-CTN	2.0mL Microcentrifuge Tubes	1 Case/5000 Pieces
LC-CCTB15-CTN	15mL Conical Centrifuge Tubes	1 Case/500 Pieces
LC-FBB400-CTN	400mL Filtered Blender Bag	1 Case/500 Bags
LC-NFBB400-CTN	400mL Non-Filtered Blender Bag	1 Case/500 Bags
LC-ILPS1-CTN	1µL Sterile Inoculating Loops	1 Case/1000 Pieces
LC-ILPS10-CTN	10µL Sterile Inoculating Loops	1 Case/1000 Pieces
LC-TT16X150-CTN	Test Tubes 16mm x 150mm (20mL)	1 Case/1000 Pieces
LC-FM-B045-CTN	Filter Monitor Black MCE .45µm	1 Case/50 Filters
LC-FM-W045-CTN	Filter Monitor White MCE .45µm	1 Case/50 Filters



Dehydrated Media

When testing food and environmental samples for pathogens and indicator organisms, it is essential to have media and with the correct pH, inhibitors, and nutrients to grow your target organism(s). We offer a variety of media products for your testing needs in multiple sizes.

250g Case:

One case contains 8 containers

1kg Case:

One case contains 6 containers.

Description	2mL	250g	250g Case	1kg	1kg Case	25kg
Baird Parker Agar (BP)		DMR-BP-A-250G	DMR-BP-A-250G-CTN	DMR-BP-A-1KG	DMR-BP-A-1KG-CTN	DMR-BP-A-25KG
Brain Heart Infusion Broth (BHI)		DMR-BHI-B-250G	DMR-BHI-B-250G-CTN	DMR-BHI-B-1KG	DMR-BHI-B-1KG-CTN	MR-BHI-B-25KG
Brilliant Green Agar w/Sulfapyridine (BGS)		DMR-BGS-A-250G	DMR-BGS-A-250G-CTN	DMR-BGS-A-1KG	DMR-BGS-A-1KG-CTN	DMR-BGS-A-25KG
Brilliant Green Bile Broth 2% (BGB)		DMR-BGB-B-250G	DMR-BGB-B-250G-CTN	DMR-BGB-B-1KG	DMR-BGB-B-1KG-CTN	DMR-BGB-B-25KG
Buffered Peptone Water (BPW)				DMR-BPW-1KG	DMR-BPW-CTN	DMR-BPW-25KG
Demi-Fraser Broth (DFB)		DMR-DFB-250G	DMR-DFB-250G-CTN	DMR-DFB-1KG	DMR-DFB-1KG-CTN	DMR-DFB-25KG
<i>E. coli</i> Recovery Enrichment Broth (EREB)		DMR-EREB-250G	DMR-EREB-250G-CTN	DMR-EREB-1KG	DMR-EREB-1KG-CTN	DMR-EREB-25KG
EC Medium (EC)		DMR-ECM-B-250G	DMR-ECM-B-250G-CTN	DMR-ECM-B-1KG	DMR-ECM-B-1KG-CTN	DMR-ECM-B-25KG
Hektoen Enteric Agar (HE)		DMR-HE-A-250G	DMR-HE-A-250G-CTN	DMR-HE-A-1KG	DMR-HE-A-1KG-CTN	DMR-HE-A-25KG
Lactobacilli MRS Agar (MRS)		DMR-MRS-A-250G	DMR-MRS-A-250G-CTN	DMR-MRS-A-1KG	DMR-MRS-A-1KG-CTN	DMR-MRS-A-25KG
Lactose Broth (LA)		DMR-LA-B-250G	DMR-LA-B-250G-CTN	DMR-LA-B-1KG	DMR-LA-B-1KG-CTN	DMR-LA-B-25KG
Lauryl Sulfate Broth (LS)		DMR-LS-B-250G	DMR-LS-B-250G-CTN	DMR-LS-B-1KG	DMR-LS-B-1KG-CTN	DMR-LS-B-25KG
Lethen Broth Base (LE)		DMR-LE-B-250G	DMR-LE-B-250G-CTN	DMR-LE-B-1KG	DMR-LE-B-1KG-CTN	DMR-LE-B-25KG
<i>Listeria</i> Recovery and Enrichment Broth (LREB)				DMR-LREB-1KG	DMR-LREB-CTN	DMR-LREB-25KG
m-FC Broth (MFC)	RTM-MFC-0002-50					
M-Green Broth (MG)	RTM-MG-0002-50					
M-TGE Broth (MTGE)	RTM-MTGE-0002-50					
MacConkey Agar (MCC)		DMR-MCC-A-250G	DMR-MCC-A-250G-CTN	DMR-MCC-A-1KG	DMR-MCC-A-1KG-CTN	DMR-MCC-A-25KG
Mannitol Salt Agar (MSA)		DMR-MS-A-250G	DMR-MS-A-250G-CTN	DMR-MS-A-1KG	DMR-MS-A-1KG-CTN	DMR-MS-A-25KG
MI Broth (MI)	RTM-MI-0002-50					
Modified Tryptic Soy Broth (mTSB)				DMR-MTSB-1KG	DMR-MTSB-1KG-CTN	DMR-MTSB-25KG
Nutrient Agar (NUA)		DMR-NU-A-250G	DMR-NU-A-250G-CTN	DMR-NU-A-1KG	DMR-NU-A-1KG-CTN	DMR-NU-A-25KG
Nutrient Broth (NUB)		DMR-NU-B-250G	DMR-NU-B-250G-CTN	DMR-NU-B-1KG	DMR-NU-B-1KG-CTN	DMR-NU-B-25KG
Orange Serum Broth (OS)	RTM-OS-0002-50					
Peptone Water (PW)		DMR-PW-B-250G	DMR-PW-B-250G-CTN	DMR-PW-B-1KG	DMR-PW-B-1KG-CTN	DMR-PW-B-25KG
Potato Dextrose Agar (PDA)		DMR-PD-A-250G	DMR-PD-A-250G-CTN	DMR-PD-A-1KG	DMR-PD-A-1KG-CTN	DMR-PD-A-25KG
<i>Pseudomonas</i> Broth (PSB)	RTM-PSB-0002-50					
Rappaport-Vassiliadis R10 Broth (RV10)		DMR-RV10-B-250G	DMR-RV10-B-250G-CTN	DMR-RV10-B-1KG	DMR-RV10-B-1KG-CTN	DMR-RV10-B-25KG
Sabouraud Dextrose Agar (SDA)		DMR-SD-A-250G	DMR-SD-A-250G-CTN	DMR-SD-A-1KG	DMR-SD-A-1KG-CTN	DMR-SD-A-25KG
Sabouraud Dextrose Agar w/Chloram (SDC)		DMR-SDC-A-250G	DMR-SDC-A-250G-CTN	DMR-SDC-A-1KG	DMR-SDC-A-1KG-CTN	DMR-SDC-A-25KG
TCBS Agar (TCBS)		DMR-TCBS-A-250G	DMR-TCBS-A-250G-CTN	DMR-TCBS-A-1KG	DMR-TCBS-A-1KG-CTN	DMR-TCBS-A-25KG
Triple Sugar Iron Agar (TSI)		DMR-TSI-A-250G	DMR-TSI-A-250G-CTN	DMR-TSI-A-1KG	DMR-TSI-A-1KG-CTN	DMR-TSI-A-25KG
Tryptic Soy Agar (TS)		DMR-TS-A-250G	DMR-TS-A-250G-CTN	DMR-TS-A-1KG	DMR-TS-A-1KG-CTN	DMR-TS-A-25KG
Tryptic Soy Broth (TSB)				DMR-TSB-1KG	DMR-TSB-1KG-CTN	DMR-TSB-25KG
UVM <i>Listeria</i> Enrichment Broth (UVM)				DMR-UVM-1KG	DMR-UVM-1KG-CTN	DMR-UVM-25KG
Violet Red Vile Agar (VRB)		DMR-VRB-A-250G	DMR-VRB-A-250G-CTN	DMR-VRB-A-1KG	DMR-VRB-A-1KG-CTN	DMR-VRB-A-25KG
Violet Red Bile Agar w/MUG (VRBMUG)		DMR-VRBMUG-A-250G	DMR-VRBMUG-A-250G-CTN	DMR-VRBMUG-A-1KG	DMR-VRBMUG-A-1KG-CTN	DMR-VRBMUG-A-25KG
XLD Agar (XLD)		DMR-XLD-A-250G	DMR-XLD-A-250G-CTN	DMR-XLD-A-1KG	DMR-XLD-A-1KG-CTN	DMR-XLD-A-25KG
XLT4 Agar (XLT4)		DMR-XLT4-A-250G	DMR-XLT4-A-250G-CTN	DMR-XLT4-A-1KG	DMR-XLT4-A-1KG-CTN	DMR-XLT4-A-25KG



Prepared Plates



SKU	Description	UOM
PP-BP-A-10	Baird Parker Prepared Plates	10 plates/pack
PP-BP-A-20	Baird Parker Prepared Plates	20 plates/pack
PP-LM-A-10	<i>Listeria monocytogenes</i> Agar Plates	10 plates/pack
PP-LM-A-20	<i>Listeria monocytogenes</i> Agar Plates	20 plates/pack

Buffers & Dilutions



SKU	Description	UOM
DB-PBS-0009-100	Phosphate Buffer Solution (PBS) 9mL	1 Case/100 Units
DB-PBS-0090-36	Phosphate Buffer Solution (PBS) 90mL	1 Case/36 Units
DB-BFD-0009-100	Butterfield's Phosphate Buffered Dilution Water 9mL	1 Case/100 Units
DB-BFD-0090-36	Butterfield's Phosphate Buffered Dilution Water 90mL	1 Case/36 Units
SC-CB-NBPW-0010-100	Neutralizing Buffered Peptone Water 10mL	1 Case/100 Units
SC-CB-NRB-0010-100	Neutralizing and Recovery Broth 10mL	1 Case/100 Units
SC-CB-NB-0010-100	Neutralizing Broth 10mL	1 Case/100 Units
SC-CB-LB-0010-100	Lethen Broth 10mL	1 Case/100 Units
SC-CB-BPW-0010-100	Buffered Peptone Water 10mL	1 Case/100 Units
SC-CB-DENB-0010-100	DE-Neutralizing Broth 10mL	1 Case/100 Units
SC-CB-BFD-0010-100	Butterfield's Phosphate Buffered Dilution Water 10mL	1 Case/100 Units

