



VIDAS® *Listeria monocytogenes* II (LMO2) #30704
test detection solution

AOAC OMA 2004.02

VIDAS® LMO2 (30704) is an automated qualitative test for use on the VIDAS instruments for the specific detection of *Listeria monocytogenes* in food products and environmental samples. Data was compared to USDA/FSIS *Listeria* reference method for meat, FDA BAM 8th Edition for all other foods and to AOAC 993.14 reference method for dairy samples.

VIDAS LMO2 Inclusivity Study

Number of <i>Listeria</i> species Strains	Results Positive	Results Negative	% Sensitivity	% False Negative
50	50	0	100	0

NOTE: All 50 *Listeria monocytogenes* species tested were positive using the LMO2 VIDAS Solution.

VIDAS LMO2 Exclusivity Study

Number of non- <i>Listeria</i> species Strains	Results Positive	Results Negative	% Sensitivity	% False Negative
31	0	31	100	0

NOTE: All exclusivity organisms tested were negative using the LMO 2 VIDAS Solution. Data set included other non monocytogenes *Listeria* strains as well as non *Listeria* species strains.



MEAT SUMMARY TABLE:
LMO2 comparison with USDA-FSIS Reference Method



Contamination Level	Number Tested	Range MPN/25g	VIDAS® Positive	Reference Positive
Negative Control	40	0	0	0
Low	160	0.2 to 2.4	93	87
Medium	120	2.3 to 11.5	108	104
High	40	0.2 to 0.275	13	21

Meat product included: Beef franks, Chicken franks, Roast beef, Ground Beef, Ground Chicken, Ground turkey and sausage.

DAIRY SUMMARY TABLE:
LMO2 comparison with AOAC 993.14 Reference Method

Contamination Level	Number Tested	Range MPN/25g	VIDAS® Positive	Reference Positive
Negative Control	20	0	0	0
Low	80	0.02 to 0.24	63	58
High	80	0.46 to 2.4	79	80

Product included: Pasteurized milk (2%), Velveeta Cheese, Ice cream, Brie.

DATA SUMMARY TABLE:
LMO2 comparison with FDA BAM

Contamination Level	Number Tested	Range MPN/25g	VIDAS® Positive	Reference Positive
Negative Control	25	0	0	0
Low	100	0.02 to 0.24	68	69
High	100	0.24 to 2.4	88	90

Product included: Cauliflower, Surimi, Fish, Green Beans and Shrimp

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