

Certifications and Validations for BAX® System Assays

AOAC Performance Tested MethodSM

Real-Time <i>Campylobacter jejuni, coli, lari</i>	#040702
<i>E. coli</i> O157:H7, X5 <i>E. coli</i> O157:H7	#050501
Real-Time <i>E. coli</i> O157:H7 EXACT	#102003
Real-Time <i>E. coli</i> O157:H7	#031002
Real-Time STEC Screening Suite	#091301
Genus <i>Listeria</i> , X5 Genus <i>Listeria</i>	#030502
Genus <i>Listeria</i> 24E	#050903
Real-Time Genus <i>Listeria</i>	#081401
<i>L. monocytogenes</i> , X5 <i>L. mono</i>	#070202
<i>L. monocytogenes</i> 24E	#080901
Real-Time <i>L. monocytogenes</i>	#121402
<i>Salmonella</i> , <i>Salmonella</i> 2, X5 <i>Salmonella</i>	#100201
Real-Time <i>Salmonella</i>	#081201
Real-Time <i>Staphylococcus aureus</i>	#120701
Real-Time <i>Vibrio</i>	#050902
Yeast and Mold	#010902

AOAC OMA

<i>L. monocytogenes</i>	#2003.12
<i>Salmonella</i> , <i>Salmonella</i> 2	#2003.09
Real-Time <i>Salmonella</i>	#2013.02

NordVal

Real-Time <i>Campylobacter jejuni, coli, lari</i>	#39
<i>Salmonella</i> , <i>Salmonella</i> 2, X5 <i>Salmonella</i>	#30



BAX® System PCR Assays for *E. coli*



BAX® System PCR Assays for Genus *Listeria*



BAX® System PCR Assays for *Listeria monocytogenes*

Certifications and Validations for BAX[®] System Assays

AFNOR	
<i>E. coli</i> O157:H7 MP, X5 <i>E. coli</i> O157:H7	QUA 18/04 - 03/08
Real-Time <i>E. coli</i> O157:H7	QUA 18/07 - 07/10, QUA 18/11 - 12/20
Real-Time STEC Screening Suite	QUA 18/11 - 12/20
Genus <i>Listeria</i> 24E, X5 Genus <i>Listeria</i>	QUA 18/06 - 07/08
Real-Time Genus <i>Listeria</i>	QUA 18/09 - 01/19
Real-Time STEC Screening Suite	QUA 18/11 - 12/20
<i>L. monocytogenes</i> 24E, X5 <i>L. mono</i>	QUA 18/05 - 07/08
Real-Time <i>L. monocytogenes</i>	QUA 18/09 - 01/19
Real-Time <i>Salmonella</i>	QUA 18/08 - 03/15
<i>Salmonella</i> , <i>Salmonella</i> 2, X5 <i>Salmonella</i>	QUA 18/03 - 11/02
Health Canada MFLP	
<i>E. sakazakii</i> (<i>Cronobacter</i> spp.)	#27
<i>E. coli</i> O157:H7 MP	#30
Real-Time <i>E. coli</i> O157:H7	#76
Real-Time Genus <i>Listeria</i>	#79
Genus <i>Listeria</i>	#15 (with BAX [®] System <i>Listeria</i> media only)
<i>L. monocytogenes</i>	#28
Real-Time <i>L. monocytogenes</i>	Pending
Real-Time <i>Salmonella</i>	Pending
USDA-FSIS	
Real-Time STEC Screening Suite	MLG 5B.05 (adoption)



BAX[®] System PCR Assays for *Salmonella*



BAX[®] System PCR Assay for *Cronobacter*



BAX[®] System PCR Assay for *Campylobacter*



BAX[®] System PCR Assay for *Staphylococcus aureus*



BAX[®] System PCR Assay for *Shigella*



BAX[®] System Real-Time PCR Assay for *Vibrio*



BAX[®] System PCR Assay for Yeast & Mold

Campylobacter (C. jejuni, C. coli, C. lari)

ASSAY	APPROVED MATRICES	VALIDATION REFERENCE
Real-Time <i>Campylobacter jejuni</i> , <i>coli</i> , <i>lari</i>	Poultry faeces on cloacae swabs for levels above 100 cfu/g.	NordVal #39
	Poultry carcass rinses and RTE turkey	AOAC PTM #040702

Cronobacter (E. sakazakii)

ASSAY	APPROVED MATRICES	VALIDATION REFERENCE
<i>E. sakazakii</i> (<i>Cronobacter</i> spp.)	Powdered infant formula, dry dairy and soy ingredients, environmental samples	Health Canada MFLP #27

E. coli

ASSAY	APPROVED MATRICES	VALIDATION REFERENCE
<i>E. coli</i> O157:H7 MP X5 <i>E. coli</i> O157:H7	Raw meats (including ground beef, beef trim, raw pork, bovine and chicken meats), raw milk, fruits, vegetables (including spinach and lettuce), ready-to-eat meals	AFNOR QUA 18/04-03/08
	Raw ground beef, beef trim, spinach, lettuce, red leaf lettuce	AOAC PTM #050501
<i>E. coli</i> O157:H7 MP	Dairy products, raw meat products, ready-to-eat meat and poultry products, fruit- and vegetable-based products, dry cereal, dry animal feed products	Health Canada MFLP #30
Real-Time <i>E. coli</i> O157:H7 EXACT	Ground beef, beef trim, leafy greens, raw dairy	AOAC PMT #102003
Real-Time <i>E. coli</i> O157:H7	Ground beef, beef trim, spinach, lettuce	AFNOR QUA 18/07-07/10 AOAC PMT #031002
	Raw beef meats, raw dairy, and vegetable	AFNOR QUA 18/11-12/20
	Raw ground meat and meat trim	Health Canada MFLP #76
Real-Time STEC Screening Suite	Raw beef meats, raw dairy, and vegetable	AFNOR QUA 18/11-12/20
	Beef trim, ground beef, ground beef with soy, flour	AOAC PTM #091301 USDA-FSIS MLG 5B.05 (adoption)

Listeria

ASSAY	APPROVED MATRICES	VALIDATION REFERENCE
Genus <i>Listeria</i> 24E X5 Genus <i>Listeria</i>	All human food products and environmental samples: composite foods, meat, seafood, dairy, fruits and vegetables, environmentals	AFNOR QUA 18/06-07/08
Genus <i>Listeria</i> X5 Genus <i>Listeria</i>	Frankfurters, smoked salmon, spinach and other vegetables, cheese, environmental swabs and surfaces	AOAC PTM #030502
Genus <i>Listeria</i>	Environmental surfaces	Health Canada MFLP #15 (with BAX [®] System <i>Listeria</i> media only)
Genus <i>Listeria</i> 24E	Frankfurters, spinach, cooked shrimp, queso fresco cheese and stainless steel	AOAC PTM #050903
Real-Time Genus <i>Listeria</i>	All surfaces	Health Canada MFLP #79
	Food products and environmental production samples: Composite foods, RTE and RTRH, meat, raw and processed dairy, vegetables, seafood, environmental samples except primary production samples.	AFNOR QUA 18/09 -01/19
	Frankfurters, spinach, cooked shrimp, queso fresco cheese and environmental surfaces (stainless steel, sealed concrete and plastic)	AOAC PTM #081401

Vibrio (cholerae, parahaemolyticus and vulnificus)

ASSAY	APPROVED MATRICES	VALIDATION REFERENCE
Real-Time <i>Vibrio</i>	Shrimp (raw and cooked), tuna (raw), scallops, oysters	AOAC PTM #050902

Staphylococcus aureus

ASSAY	APPROVED MATRICES	VALIDATION REFERENCE
Real-Time <i>Staphylococcus aureus</i>	Ground beef, infant formula, soy protein isolate	AOAC PTM #120701

Listeria monocytogenes

ASSAY	APPROVED MATRICES	VALIDATION REFERENCE
<i>L. monocytogenes</i> 24E X5 <i>L. mono</i>	All human food products and environmental samples: composite foods, meat, seafood, dairy, fruits and vegetables, environmentals	AFNOR QUA 18/05-07/08
<i>L. monocytogenes</i> , X5 <i>L. mono</i> , (OMA not for X5)	Raw meat/poultry, processed meat (RTE), dairy, seafood, fruits and vegetables (except radishes), fruit juice, environmental surface (plastic)	AOAC PTM #070202 OMA #2003.12
<i>L. monocytogenes</i>	Raw meat and poultry, eggs and egg products, seafood, dairy products, composite foods, fruits and vegetables (except radishes), low moisture foods (chocolate), cereals, animal feed, environmentals	Health Canada MFLP #28
<i>L. monocytogenes</i> 24E	Frankfurters, spinach, cooked shrimp, queso fresco cheese and stainless steel	AOAC PTM #080901
Real-Time <i>L. monocytogenes</i>	Food products and environmental production samples: Composite foods, RTE and RTRH, meat, raw and processed dairy, vegetables, seafood, environmental samples except primary production samples.	AFNOR QUA 18/09 -01/19
	Composite foods, dairy (raw and processed), RTE meat and poultry, fruits and vegetables, seafood	Health Canada - Pending
	Frankfurters, spinach, cooked shrimp, smoked salmon, queso fresco cheese and environmental surfaces (stainless steel, sealed concrete and plastic)	AOAC PTM #121402

Salmonella

ASSAY	APPROVED MATRICES	VALIDATION REFERENCE
<i>Salmonella</i> <i>Salmonella</i> 2 X5 <i>Salmonella</i> (OMA not for X5)	Food products, animal feed and environmental samples (excluding primary production system): Composite (RTE, RTRH), raw beef and poultry, seafood, produce, dairy, eggs, peanut butter, cocoa, dry pet food, animal feed, vegetables, environmental samples	AFNOR QUA 18/3-11/02
	All foods and a variety of environmental surface samples: Processed and raw dairy, seafood, chocolate/bakery products, fruits and vegetables, raw poultry, spices, environmental samples	Health Canada MFLP #29
	Food products, animal feed and environmental samples (excluding primary production system): Composite (RTE, RTRH), raw beef and poultry, seafood, produce, dairy, eggs, peanut butter, cocoa, dry pet food, animal feed, vegetables, environmental samples	NordVal #30
	All human food products, animal feed and environmental samples - raw beef and poultry, beef trim, seafood, produce, dairy, eggs, peanut butter, cocoa/chocolate and bakery, pasta, RTE foods, dry pet food, animal feed, surfaces, fruits and vegetables, spices, soy protein flour	AOAC PTM #100201 OMA #2003.09
Real-Time <i>Salmonella</i>	Broad range of foods (excluding milk powders) animal feed and environmental samples (except primary production samples): Meat, seafood, vegetables, pet food, production samples, egg products, raw beef, raw meats, raw seafood, dairy products, chocolate	AFNOR QUA 18/08-03/15
	Variety of food and environmental samples: Raw poultry, dairy, RTE meat and poultry, fruits and vegetables, eggs, chocolates/bakery, environmental samples	Health Canada - Pending
	All human food products, animal feed and environmental samples - raw beef and poultry, poultry rinses, seafood, produce, dairy, eggs, peanut butter, cocoa/chocolate and bakery, pasta, dry pet food, animal feed, surfaces, produce, RTE foods, spices; SaQuant™ on ground turkey and chicken, BAX® MPN alternative method	AOAC PTM #081201 OMA #2013.02

Yeast and Mold

ASSAY	APPROVED MATRICES	VALIDATION REFERENCE
Yeast and Mold	Yogurt, cornstarch, milk-based infant formula	AOAC PTM #010902