

Food Microbiology Proficiency Testing

ISO 17043 Accredited

Innovative Controls to Support Data Quality

NSI Lab Solutions Food Microbiology Proficiency Testing (PT) studies are designed for your convenience and success.

- 4 studies yearly without order deadlines. You must choose a study number.
- PT Express™ quick turnaround PT studies available.
- Simple online reporting with no limits on the number of analysts or number of methods that you may report. Final reports returned within 21 days of the study close.



Food Microbiology Proficiency Testing Standards

Quantitative Indicators

A blended organism OT standard for quantitative determination of APC, total coliform, E. coli, S. aureus, enterobacteriaceae, and yeast/mold in the range of 100–250,000 CFU/g after hydration. Supplied with hydration fluid.

Type	Part #
Buffer Matrix (2 pack)	FMPT-001
Buffer Matrix (5 pack)	FMPT-001-5
Buffer Matrix (10 pack)	FMPT-001-10
Meat Matrix (2 pack)	FMPT-001M
Meat Matrix (5 pack)	FMPT-001M-5
Meat Matrix (10 pack)	FMPT-001M-10
Dairy Matrix (2 pack)	FMPT-001D
Dairy Matrix (5 pack)	FMPT-001D-5
Dairy Matrix (10 pack)	FMPT-001D-10

Also available as PT Express samples.

Quantitative Lactic Acid Bacteria

A pure culture conveniently supplied in duplicate for quantitative determination of lactic acid producing bacteria, in the range of 100–250,000 CFU/g after hydration. Supplied with hydration fluid.

Type	Part #
Buffer Matrix	FMPT-004
Meat Matrix	FMPT-004M
Dairy Matrix	FMPT-004D

Also available as PT Express samples.

Food Microbiology Proficiency Testing Standards

Quantitative *Bacillus cereus*

A pure culture conveniently supplied in duplicate for quantitative determination of *B. cereus* in the range of 100–250,000 CFU/g after hydration. Supplied with hydration fluid.

Type	Part #
Buffer Matrix	FMPT-003
Meat Matrix	FMPT-003M
Dairy Matrix	FMPT-003D

Also available as PT Express samples.

Quantitative *Pseudomonas*

A pure culture of *P. aeruginosa* conveniently supplied in duplicate for quantitative determination of *pseudomonas*, in the range of 100–250,000 CFU/g after hydration. Supplied with hydration fluid.

Type	Part #
Buffer Matrix	FMPT-015
Meat Matrix	FMPT-015M
Dairy Matrix	FMPT-015D

Also available as PT Express samples.

Qualitative *Listeria monocytogenes* Set

A three sample set for qualitative identification of *L. monocytogenes*. Set contains *L. monocytogenes* plus two non-pathogen, non-*Listeria* organisms. Report present or absent for *L. monocytogenes* for each sample in the set. Three different series available per study. Supplied with hydration fluid.

Type	Part #
Water Matrix	FMPT-006
Meat Matrix	FMPT-006M
Dairy Matrix	FMPT-006D

Also available as PT Express samples.

Qualitative *Salmonella* Set

A three sample set for qualitative identification of *salmonella*, spp. Set contains *salmonella* and non-pathogenic, non-*salmonella* organisms. Report present or absent for *salmonella* spp. for each sample. Three different series available per study. Supplied with hydration fluid.

Type	Part #
Water Matrix	FMPT-008
Meat Matrix	FMPT-008M
Dairy Matrix	FMPT-008D

Also available as PT Express samples.

Food Microbiology Proficiency Testing Standards

Qualitative STEC

A single sample conveniently supplied in duplicate containing at least 1 of 6 STECs for identification. Supplied with hydration fluid. Not for international sale. ECCN restrictions apply.

Type	Part #
Water Matrix	FMPT-009
Meat Matrix	FMPT-009M
Dairy Matrix	FMPT-009D

Also available as PT Express samples.

Qualitative Clostridium perfringens

A pure culture of *C. perfringens* for qualitative determination of *C. perfringens*. Supplied with hydration fluid.

Type	Part #
Buffer Matrix	FMPT-027
Meat Matrix	FMPT-027M
Dairy Matrix	FMPT-027D

Also available as PT Express samples.

Qualitative Pathogens Set

A unique three sample set for qualitative identification of *S. enterica*, *L. monocytogenes* and *E. coli* O157:H7. Report present or absent for each organism of interest. Three different series available per study. Supplied with hydration fluid.

Type	Part #
Water Matrix	FMPT-005
Meat Matrix	FMPT-005M
Dairy Matrix	FMPT-005D

Also available as PT Express samples.

Qualitative STEC Set

A three sample set for qualitative identification of STEC. Set is designed to mimic typical FDA BAM and USDA MLG sample handling procedures. The PT set will contain one of the following: O26, O45, O103, O111, O121 or O145. The PT set can be used to report Total STEC or the specific serotype. Each set contain 3 x 25 grams sterile matrix (beef powder and skim milk powder) and three individually packaged lyophilized microorganism pellets. At least one of the three samples will be positive for STEC.

To use, transfer on 25 gram sterile matrix to a stomacher bag, add 225 mL of your in-house enrichment broth and then add a single sample pellet to the stomacher bag. Process and analyze according to your normal laboratory procedures. Report present or absent for each sample set. Three different series available per study. Not for international sale. ECCN restrictions apply.

Type	Part #
Meat Matrix	FMPT-024M
Dairy Matrix	FMPT-024D

Also available as PT Express samples.

Food Microbiology Proficiency Testing Standards

Qualitative Listeria Set (Non-Pathogenic)

A three sample set for qualitative identification of listeria spp. Set contains non-pathogenic listeria strain and non-pathogenic, non-listeria organisms. Report present or absent for listeria spp. for each sample in the set. Three different series available per study. Supplied with hydration fluid.

Type	Part #
Water Matrix	FMPT-007
Meat Matrix	FMPT-007M
Dairy Matrix	FMPT-007D

Also available as PT Express samples.

Qualitative Campylobacter

A three sample set for qualitative identification of campylobacter spp. Set contains C. jejuni or coli and non-pathogen/non-campylobacter facultative anaerobes. Report present or absent for campylobacter spp for each sample. Supplied with hydration fluid.

Type	Part #
Water Matrix	FMPT-013
Meat Matrix	FMPT-013M
Dairy Matrix	FMPT-013D

Also available as PT Express samples.

Qualitative Listeria monocytogenes Set

A three sample set for qualitative identification of L. monocytogenes. Set is designed to mimic typical FDA BAM and USDA MLG sample handling procedures. Each set contains 3 x 25 grams of sterile matrix (beef powder or skim milk powder) and three individually packaged lyophilized microorganism pellets. At least one of three of the sample pellets will be positive for L. monocytogenes.

To use, transfer 25 grams of sterile matrix to stomacher bag, add 225 mL of laboratory supplied enrichment broth and then add a single sample pellet to the stomacher bag. Process and analyze according to your normal laboratory procedures. Report present or absent for each sample set. Three different series available per study.

Type	Part #
Meat Matrix	FMPT-022M
Dairy Matrix	FMPT-022D

Also available as PT Express samples.

Food Microbiology Proficiency Testing Standards

Qualitative Salmonella Set

A three sample set for qualitative identification of Salmonella spp. Set is designed to mimic typical FDA BAM and USDA MLG sample handling procedures. Each set contains 3 x 25 grams of sterile matrix (beef powder or skim milk powder) and three individually packaged lyophilized microorganism pellets. At least one of three of the sample pellets will be positive for Salmonella.

To use, transfer on 25 gram sterile matrix to a stomacher bag, add 225 mL of your in-house enrichment broth and then add a single sample pellet to the stomacher bag. Process and analyze according to your normal laboratory procedures. Report present or absent for each sample set. Three different series available per study.

Type	Part #
Meat Matrix	FMPT-023M
Dairy Matrix	FMPT-023D

Also available as PT Express samples.

Environmental Swab - Listeria spp.

A 5 sample panel for qualitative listeria identification of Listeria spp. in environmental swabs. Each panel is supplied with 5 inoculated swabs and five 4"x4" sterile swabbing surfaces. At least 2 of 5 inoculated swabs will be positive for Listeria spp. Acceptable evaluation is 4 of 5 correct with no false negatives. Listeria species utilized for this panel is Listeria ivanovii.

Part #
FMPT-018

Also available as PT Express samples.

Qualitative E. coli O157:H7 Set

A three sample set for qualitative identification of E. coli O157:H7. Set is designed to mimic typical FDA BAM and USDA MLG sample handling procedures. Each set contains 3 x 25 grams of sterile matrix (beef powder or skim milk powder) and three individually packaged lyophilized microorganism pellets. At least one of the three pellets will be positive for E. coli O157:H7.

To use, transfer on 25 gram sterile matrix to a stomacher bag, add 225 mL of your in-house enrichment broth and then add a single sample pellet to the stomacher bag. Process and analyze according to your normal laboratory procedures. Report present or absent for each sample set. Three different series available per study. Not for international sale. ECCN restrictions apply.

Type	Part #
Meat Matrix	FMPT-025M
Dairy Matrix	FMPT-025D

Also available as PT Express samples.

Environmental Swab - E. coli O157:H7

A five sample panel for qualitative identification of E. coli O157:H7 in environmental swabs. Each panel is supplied with 5 inoculated swabs and five 4"x4" sterile swabbing surfaces. At least 2 of 5 inoculated swabs will be positive for E. coli O157:H7. Acceptable evaluation is 4 of 5 correct with no false negatives. Not for international sale. ECCN restrictions apply.

Part #
FMPT-021

Also available as PT Express samples.

Food Microbiology Proficiency Testing Standards

Environmental Swab - Salmonella spp.

A five sample panel for qualitative identification of Salmonella spp. in environmental swabs. Each panel is supplied with 5 inoculated swabs and five 4"x4" sterile swabbing surfaces. At least 2 of 5 inoculated swabs will be positive for Salmonella spp. Acceptable evaluation is 4 of 5 correct with no false negatives.

Part #
FMPT-019

Also available as PT Express samples.

Environmental Swab - Listeria monocytogenes

A five sample panel for qualitative identification of L. monocytogenes in environmental swabs. Each panel is supplied with 5 inoculated swabs and five 4"x4" sterile swabbing surfaces. At least 2 of 5 inoculated swabs will be positive for L. monocytogenes. Acceptable evaluation is 4 of 5 correct with no false negatives.

Part #
FMPT-020

Also available as PT Express samples.

Environmental Swab - Listeria sp.

A five sample panel for qualitative identification of Listeria spp. in environmental swabs. Each panel is supplied with 5 inoculated swabs and five 4"x4" sterile swabbing surfaces. At least 2 of 5 inoculated swabs will be positive for Listeria spp. Acceptable evaluation is 4 of 5 correct with no false negatives. Listeria species utilized for this panel is Listeria ivanovii.

Part #
FMPT-018

Also available as PT Express samples.

Qualitative Staph Enterotoxins - NEW

A five sample set for qualitative identification of Staphylococcus aureus enterotoxins in food matrices. Each set contains 5 x 10 grams of beef or 5 x 30 mL skim milk powder or dried egg powder. At least two of the five will be positive for S. aureus enterotoxins. Three different series available per study. This product is currently not covered under our ANAB scope.

Type	Part #
Dairy Matrix	FMPT-030D
Egg Matrix	FMPT-030E
Meat Matrix	FMPT-030M



Food Microbiology Proficiency Testing Standards

Qualitative Psychotrophic Bacteria COMING SOON

A five sample set for qualitative identification of Psychotrophic bacteria. Samples provided in individually packaged lyophilized pellets. At least two of the five vials will be positive for Psychotrophic bacteria. Three different series available per study.

Type	Part #
Buffer Matrix	FMPT-028
Dairy Matrix	FMPT-028D

Qualitative Swab - APC on Surface COMING SOON

A five sample panel for qualitative identification of APC on Surface. Each panel is supplied with 5 inoculated swabs and five 4"x4" sterile swabbing surfaces. At least two of the five inoculated swabs will be positive for APC on Surface. Acceptable evaluation is 4 of 5 correct with no false negatives.

Part #
FMPT-029

2023 Food Microbiology Study Schedule

Study Number	Open Date	Close Date
FM-0223	Feb. 15, 2023	March 31, 2023
FM-0523	May 10, 2023	June 23, 2023
FM-0823	Aug. 9, 2023	Sept. 22, 2023
FM-1123	Nov. 7, 2023	Dec. 21, 2023