INSTRUCTIONS FOR USE

CE 2797 IVD UKCA

- **KWIK-STIK™**
- **LYFO DISK™**
- **QC Sets and Panels: KWIK-STIK™**

INTENDED USE

KWIK-STIK™ and LYFO DISK™ are intended to be external clinically-relevant viable control materials (as specified in Annex 1 by catalog number) to assist in identification of cultured microorganism isolates, and to verify the performance of assays, reagents, or media that are intended to be used in microbial testing. These products have no qualitative or quantitative assigned value. These control materials are nonautomated and not intended to be used for screening, monitoring, or diagnosis. These controls are not intended for any specific patient population or specimen.

SUMMARY AND PRINCIPLES

Microorganisms with known and predictable characteristics are used in quality control, education, and proficiency programs.

PRINCIPLE

KWIK-STIK and LYFO DISK microorganisms provide equivalent results to traditional methods used in preparing, storing, and maintaining reference stock cultures. These control materials do not have metrological traceability as the unit of measure is the identity of the organisms. The microorganism preparations are traceable to the American Type Culture Collection (ATCC®) or other authentic reference culture collections.

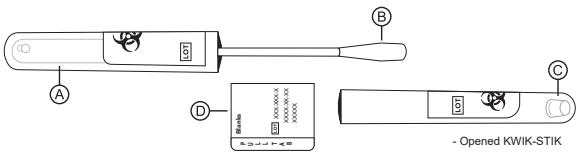
COMPOSITION

KWIK-STIK and LYFO DISK pellets contain a pure population of microorganisms and excipients for the purpose of structure and/or stability including gelatin, skim milk, ascorbic acid, carbohydrate, and charcoal.

The identity of the microorganism is indicated on the product label. Traceability to the culture collection strain is also included on the product label.

PRODUCT DESCRIPTION

A. **KWIK-STIK:** Each KWIK-STIK unit contains a lyophilized microorganism pellet, an ampoule of hydration fluid, and an inoculating swab. Each device is sealed within a laminated pouch that contains a desiccant to prevent adverse moisture accumulation. KWIK-STIK microorganisms are ≤ 3 passages from the reference culture and are guaranteed to recover when processed using the recommended media and incubation requirements. KWIK-STIKs are available in packs of two or six.



- Opened KWIK-STIK

KWIK-STIK Key Figures

A - Glass ampoule containing sterile hydration fluid
B - Swab
C - Pellet containing microbial culture
D - Pull-tab portion

- Seeled KWIK-STIK

B. **LYFO DISK:** LYFO DISK microorganisms are packaged in a resealable vial that contains 6 lyophilized microorganism pellets and a desiccant to prevent adverse moisture accumulation. The LYFO DISK microorganisms are ≤ 3 passages from the reference culture and are guaranteed to recover when processed using the recommended media and incubation requirements.

C. **QC Sets and Panels: KWIK-STIK**: Each set or panel contains multiple KWIK-STIKs bundled together for convenience for commonly used technologies, standards, instruments, or test methods.

WARNINGS AND PRECAUTIONS

- These products are for in-vitro diagnostic use.
- Not intended for human, animal, or pet consumption.
- The KWIK-STIK and LYFO DISK are single-use only. Do not reuse or freeze.
- Refer to the Safety Data Sheet (SDS) for more detailed information. The SDS can be located on our website at **www.microbiologics.com** or by contacting Technical Support at **1.320.229.7045** or U.S. Toll Free **1.866.286.6691.**
- The hydration fluid in the KWIK-STIK may cause serious eye irritation. If in eyes, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation persists, get medical advice/ attention.
- Wear protective gloves, protective clothing, eye protection, and face protection when handling. Wash hands thoroughly after handling.
- These devices contain viable biosafety level 1 and level 2 microorganisms that may produce disease. Proper techniques must be employed to avoid exposure and contact with any microorganism growth.
- Some organisms produce toxins, see **www.microbiologics.com** for item specific details.
- The microbiology laboratory must be equipped and have the facilities to receive, process, maintain, store, and dispose of biohazard material.
- KWIK-STIK and LYFO DISK products are for professional use only. Only trained laboratory personnel should use these devices.
- Disposal of all biohazard materials is regulated. Each laboratory must be aware of and comply with the local laws regarding proper disposal of biohazard materials.
- KWIK-STIK and LYFO DISK microorganisms are not made with natural rubber latex.
- Do not pinch glass ampoule of KWIK-STIK with finger; glass shards may puncture the plastic housing creating a risk for injury.
- Report any serious incident that has occurred in relation to the device to Microbiologics and the Competent Authority of the Member State in which the user and/or the patient is established.

MATERIALS REQUIRED BUT NOT PROVIDED

- LYFO DISK microorganisms require sterile tubes and 0.5 ml of a sterile liquid such as Tryptic Soy Broth, Brain Heart Infusion Broth, saline, or deionized water to hydrate the lyophilized preparation. Sterile swabs or inoculating loops are needed to transfer the hydrated preparation to an agar plate.
- KWIK-STIK and LYFO DISK microorganisms require non-selective, nutritive or enriched agar media and specific incubation times and conditions to optimize growth and recovery. The Technical Information Bulletin (TIB.081) Recommended Culture Methods lists the recommended media and incubation requirements. This bulletin is available at **www.microbiologics.com**.

INSTRUCTIONS FOR USE

A. KWIK-STIK and QC Sets and Panels: KWIK-STIK Microorganism Procedure

1. Allow the unopened KWIK-STIK pouch to equilibrate to room temperature. Tear open pouch at notch and remove the KWIK-STIK unit.
2. Tear off pull-tab portion on the label and attach it to the primary culture plate or QC record. Do not disassemble the device during hydration.
3. Over the edge of the work bench or counter, crack the ampoule at the top of the KWIK-STIK (just below the fluid meniscus) to release the hydration fluid. Crack the ampoule only once. Cracking the ampoule multiple times may cause glass shards to puncture the plastic housing, creating a risk for injury.
4. Hold vertically and tap on a hard surface to facilitate flow of the fluid through the shaft into the bottom of the unit where the pellet is contained. Do not shake the KWIK-STIK and do not cover the small vent hole on the top of the KWIK-STIK.
5. Using a pinching action on the bottom portion of the unit, crush the pellet in the fluid until the pellet has dissolved.
6. Immediately heavily saturate the swab with the hydrated material and transfer to the appropriate agar medium or use according to the laboratory's SOP. Use immediately upon hydration.
7. Inoculate the primary culture plate(s) by gently rolling the swab over one-third of the plate.
8. Using a sterile loop, streak to facilitate colony isolation.
9. Using proper biohazard disposal, discard the KWIK-STIK.
10. Immediately incubate the inverted inoculated primary culture plate(s) at temperature and conditions appropriate to the microorganism. Culture method can be found on the product's page at **www.microbiologics.com**.

B. **LYFO DISK Microorganism Procedure**

1. Remove the unopened LYFO DISK vial from 2°C to 8°C storage and allow to equilibrate to room temperature.
2. Using a sterile forceps and aseptic technique, remove 1 pellet from the vial. Do not remove desiccant.
3. Place the pellet in 0.5 ml of sterile fluid (water, saline, TSB, or BHIB). Immediately stopper and recap vial and return to 2°C to 8°C storage.
4. Crush the pellet with a sterile swab until the pellet is dissolved. Immediately heavily saturate the same swab with the hydrated material and transfer to agar medium.
5. Inoculate the primary culture plate(s) by gently rolling the swab over one-third of the plate.
6. Using a sterile loop, streak to facilitate colony isolation.
7. Using proper biohazard disposal, discard the remaining hydrated material.
8. Immediately incubate the inverted inoculated primary culture plate(s) at temperature and conditions appropriate to the microorganism. Culture method can be found on the product's page at **www.microbiologics.com**.

STORAGE AND EXPIRATION

Store LYFO DISK and KWIK-STIK microorganisms at 2°C to 8°C in the original sealed vial or sealed foil pouch containing a desiccant. LYFO DISK and KWIK-STIK microorganisms should not be used if:

- Stored improperly
- There is evidence of excessive exposure to heat or moisture
- The expiration date has passed

Do not remove the KWIK-STIK from the sealed foil pouch until ready to use.
Use the KWIK-STIK or LYFO DISK immediately upon hydration.

LIMITATIONS

This product may not be suitable for use with all kits and procedures.

REPRODUCIBILITY STUDY

The performance of the KWIK-STIK was evaluated in a reproducibility study performed using 15 microorganisms, three different production lots, at three different sites. The results of the study are summarized below.

Analyte	Agreement by Test Site			
	Site 1	Site 2	Site 3	Total
Acinetobacter baumannii ATCC® 19606™	24/24 = 100%	24/24 = 100%	24/24 = 100%	72/72 = 100%
Burkholderia cepacia ATCC® 25416™	24/24 = 100%	24/24 = 100%	24/24 = 100%	72/72 = 100%
Escherichia coli ATCC® 25922™	24/24 = 100%	24/24 = 100%	24/24 = 100%	72/72 = 100%
Escherichia coli O157:H7 ATCC® 35150™	24/24 = 100%	24/24 = 100%	24/24 = 100%	72/72 = 100%
Klebsiella pneumoniae NCTC 13438	24/24 = 100%	24/24 = 100%	24/24 = 100%	72/72 = 100%
Neisseria gonorrhoeae ATCC® 49226™	24/24 = 100%	24/24 = 100%	24/24 = 100%	72/72 = 100%
Pseudomonas aeruginosa ATCC® 27853™	24/24 = 100%	24/24 = 100%	24/24 = 100%	72/72 = 100%
Enterococcus faecalis ATCC® 29212™	24/24 = 100%	24/24 = 100%	24/24 = 100%	72/72 = 100%
Staphylococcus aureus NCTC 12493	24/24 = 100%	24/24 = 100%	24/24 = 100%	72/72 = 100%
Streptococcus pneumoniae ATCC® 49619™	24/24 = 100%	24/24 = 100%	24/24 = 100%	72/72 = 100%
Bacteroides fragilis ATCC® 25285™	24/24 = 100%	24/24 = 100%	24/24 = 100%	72/72 = 100%
Clostridium difficile ATCC® 9689™	24/24 = 100%	24/24 = 100%	24/24 = 100%	72/72 = 100%
Candida albicans ATCC® 10231™	24/24 = 100%	24/24 = 100%	24/24 = 100%	72/72 = 100%
Aspergillus fumigatus ATCC® 204305™	24/24 = 100%	24/24 = 100%	24/24 = 100%	72/72 = 100%
Aspergillus brasiliensis ATCC® 16404™	24/24 = 100%	24/24 = 100%	24/24 = 100%	72/72 = 100%

KEY OF SYMBOLS

EC REP	Authorized Representative in the European Community / European Union	IVD	In vitro diagnostic medical device
LOT	Batch code (Lot)		Manufacturer
	Biological risks	CONTROL -	Negative control
REF	Catalog number	CONTROL +	Positive control
	Caution	QTY	Quantity
	CE mark	CH REP	Swiss Authorized Representative
	Consult instructions for use or consult electronic instructions for use		Telephone number
	Contains sufficient for <n> tests		Temperature limit
	Device for near-patient testing	UK CA	UK Conformity Assessed mark
	Do not re-use	UK REP	UK Responsible Person
	Do not use if package is damaged and consult instructions for use		Use-by-date
	Health hazard		Water; Fluid
EU REP	EU Authorized Representative		

Please refer to product labels for applicable symbols.

WEBSITE

Visit our website, **www.microbiologics.com**, for current technical information and product availability.

BIBLIOGRAPHY

- Adams G. (2007). The principles of freeze-drying. Methods in molecular biology (Clifton, N.J.), 368, 15–38. https://doi.org/10.1007/978-1-59745-362-2_2

ASSISSTANCE

Microbiologics, Inc.
200 Cooper Avenue North
St. Cloud, MN 56303 USA
www.microbiologics.com

Customer Service
Tel: +1.320.253.7400
U.S. Toll Free: +1.800.599.2847
Email: info@microbiologics.com

Technical Support
Tel: +1.320.229.7045
U.S. Toll Free: +1.866.286.6691
Email: techsupport@microbiologics.com

EU REP **MediMark® Europe**
11 rue Emile Zola
38100 Grenoble, France
Tel: +33 (0)4 76 86 43 22
Fax: +33 (0)4 76 17 19 82
Email: info@medimark-europe.com

UK REP **International Associates Limited**
Centrum House, 38 Queen Street,
Glasgow, Lanarkshire, G1 3DX, UK
UKRP@ia-uk.com

CH REP **Decomplix AG**
Freiburgstrasse 3, 3010
Bern, Switzerland

Additional copies of this product insert may be obtained at www.microbiologics.com or by emailing info@microbiologics.com.

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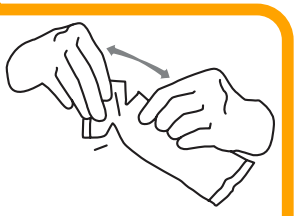
Microbiologics

KWIKSTIK™

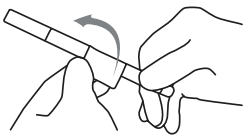
ILLUSTRATED INSTRUCTIONS

1



Allow the unopened KWIK-STIK pouch to equilibrate to room temperature. Tear open pouch at notch and remove the KWIK-STIK unit.

2



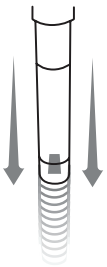
Tear off pull-tab portion on the label and attach it to the primary culture plate or QC record. Do not disassemble the device during hydration.

3

Over the edge of the work bench or counter, crack the ampoule at the top of the KWIK-STIK (just below the fluid meniscus) to release the hydration fluid. Crack the ampoule only once. Cracking the ampoule multiple times may cause glass shards to puncture the plastic housing, creating a risk for injury.

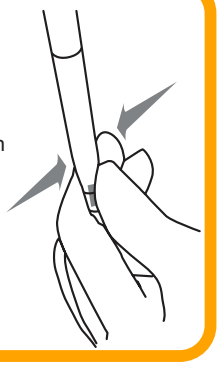
4

Hold vertically and tap on a hard surface to facilitate flow of the fluid through the shaft into the bottom of the unit where the pellet is contained. Do not shake the KWIK-STIK and do not cover the small vent hole on the top of the KWIK-STIK.



5

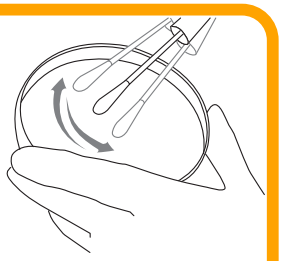
Using a pinching action on the bottom portion of the unit, crush the pellet in the fluid until the pellet has dissolved.



6

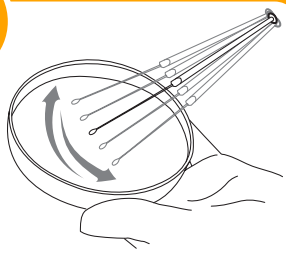
Immediately heavily saturate the swab with the hydrated material and transfer to the appropriate agar medium or use according to the laboratory's SOP. Use immediately upon hydration.

7



Inoculate the primary culture plate(s) by gently rolling the swab over one-third of the plate.

8



Using a sterile loop, streak to facilitate colony isolation.

9

Using proper biohazard disposal, discard the KWIK-STIK.

10

Immediately incubate the inverted inoculated primary culture plate(s) at temperature and conditions appropriate to the microorganism.

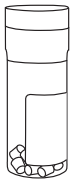
Culture method can be found on the product's page at microbiologics.com

Microbiologics®

LYFO·DISK™

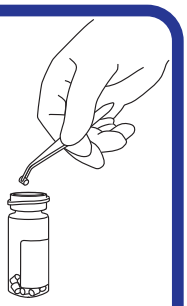
ILLUSTRATED INSTRUCTIONS

1



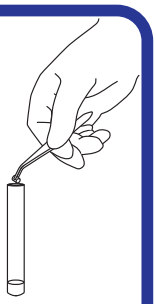
Remove the unopened LYFO DISK vial from 2°C to 8°C storage and allow to equilibrate to room temperature.

2



Using a sterile forceps and aseptic technique, remove 1 pellet from the vial. Do not remove desiccant.

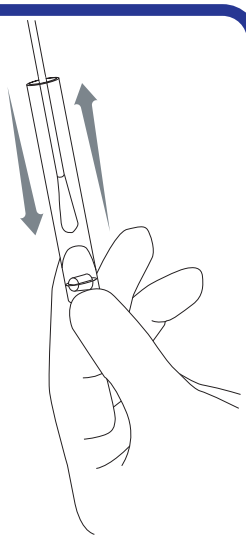
3



Place the pellet in 0.5 ml of sterile fluid (water, saline, TSB, or BHIB).

Immediately stopper and recap vial and return to 2°C to 8°C storage.

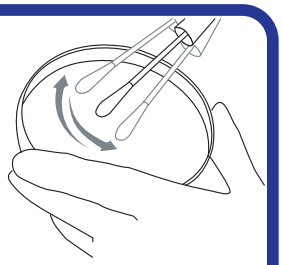
4



Crush the pellet with a sterile swab until the pellet is dissolved.

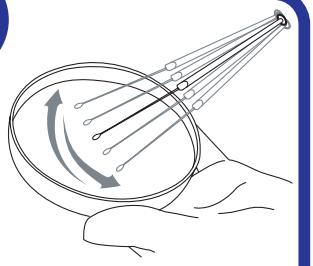
Immediately heavily saturate the same swab with the hydrated material and transfer to agar medium.

5



Inoculate the primary culture plate(s) by gently rolling the swab over one-third of the plate.

6

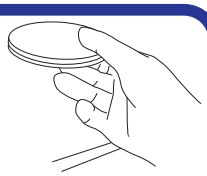


Using a sterile loop, streak to facilitate colony isolation.

7

Using proper biohazard disposal, discard the remaining hydrated material.

8



Immediately incubate the inverted inoculated primary culture plate(s) at temperature and conditions appropriate to the microorganism.

Culture method can be found on the product's page at microbiologics.com

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REVISION HISTORY

Publication History		
Revision	**Date**	**Description of Change**
H	2024-01-05	Updated product names per culture collection name change: product 0116 L P K, *Bacillus megaterium* derived from ATCC® 9885™ has been changed to *Priestia megaterium*; product 0120 L P K, *Bacillus subtilis* subsp. *subtilis* derived from ATCC® 6051™ has been changed to *Bacillus subtilis*; product 0136 L P K, 5193P, *Streptococcus salivarius* subsp. *thermophilus* derived from ATCC® 19258™ has been changed to *Streptococcus thermophilus*; product 0140 L P K, 5191P, *Bacillus circulans* derived from ATCC® 61™ has been changed to *Niallia circulans*; product 0201 L P K, 5191P, *Bacillus megaterium* derived from ATCC® 14581™ has been changed to *Priestia megaterium*; product 0234 L P K, *Lactobacillus plantarum* derived from ATCC® 8014™ has been changed to *Lactiplantibacillus plantarum*; product 0639 L P K, *Enterobacter cloacae* subsp. *Cloacae* derived from ATCC® 49141™ has been changed to *Enterobacter ludwigii*; product 0702 L P K, *Pseudomonas putida* derived from ATCC® 31483™ has been changed to *Pseudomonas* sp.; Removed product 0746L, 0746K, 0746P due to discontinuation. Updated set name: 5066P, NH (3 Strains) QC Set has been changed to NH (4 Strains) QC set.
I	2024-10-16	Updated product names per culture collection name change: product 0235 L P K, *Lactobacillus leichmannii* derived from ATCC® 7830™ has been changed to *Lactobacillus delbrueckii* subsp. *lactis*; product 01262 L P K, *Lactobacillus brevis* derived from ATCC® 14869™ has been changed to *Levilactobacillus brevis*; product 0764 L P K, 5193P, *Staphylococcus sciuri* subsp. *sciuri* derived from ATCC® 29061™ has been changed to *Mammaliicoccus sciuri*; product 0176 L P K, *Lactobacillus casei* derived from ATCC® 393™ has been changed to *Lacticaseibacillus casei*; product 0864 L P K, 8164, *Streptococcus species* derived from ATCC® 12401™ has been changed to *Streptococcus agalactiae*; product 0836L P K, *Burkholderia cepacia* derived from ATCC® 25608™ has been changed to *Burkholderia cenocepacia*; Removed product 0438P, 0438K, 0438L due to discontinuation. Removed product 0623P, 0623K, 0623L due to discontinuation. Removed product 01026P, 01026K, 01026L due to discontinuation.
J	2024-12-12	Updated product names per culture collection name change: product 0233 L P K, *Lactobacillus rhamnosus* derived from ATCC® 7469™ has been changed to *Lacticaseibacillus rhamnosus*; product 0258 L P K, *Bacillus pumilus* derived from ATCC® 14884™ has been changed to *Bacillus sp*.; product 0546 L P K, *Lactobacillus paracasei* derived from ATCC® 334™ has been changed to *Lacticaseibacillus paracasei*; product 0989 L P K, *Lactobacillus rhamnosus* derived from ATCC® 9595™ has been changed to *Lacticaseibacillus rhamnosus*; product 01090 L P K, *Lactobacillus rhamnosus* derived from ATCC® 53103™ has been changed to *Lacticaseibacillus rhamnosus*; product 01110 L P K, *Methylobacterium extorquens* derived from ATCC® BAA-2500™ has been changed to *Methylorubrum extorquens*; Added product 01290 P K, *Pseudomonas aeruginosa* derived from ATCC® BAA-3144™.
K	2025-08	Updated product names per culture collection name change: product 01018 L P K, *Enterobacter cloacae* derived from ATCC® BAA-1143™ has been changed to *Enterobacter hormaechei* subsp. *steigerwaltii*; product 0828 L P K, *Clostridium bifermentans* derived from ATCC® 638™ has been changed to *Paraclostridium bifermentans*. Added Bibliography section, updated MediMark® Address, replaced EC rep Symbol with EU Rep and removed Warranty information.
L	2025-12	Updated product names per culture collection name change: product 0132 L P K, *Ochrobactrum anthropi* derived from ATCC® BAA-749™* has been changed to *Brucella anthropi*; Added product 5260P AST-GN (7 Strains) QC Set.

M	2026-07	Updated product names/ accession number per culture collection changes: product 01090 L P K, Lacticaseibacillus rhamnosus derived from ATCC® 53103™ has been updated to reflect accession number ATCC® BAA-3227™; product 0990 L P K, Candida kefyr derived from ATCC® 2512™ has been changed to Kluyveromyces marxianus; product 0473 L P K, 5191P, Paenibacillus gordonae derived from ATCC® 29948™ has been changed to Paenibacillus validus; product 0737 L P K, Candida glabrata derived from ATCC® 15126™* has been changed to Nakaseomyces glabratus, and the accession number has been updated to ATCC® MYA-5039™. Removed multiple discontinued KWIK-STIK™ and LYFO DISK™ products: 01038K, 0105K, 01103K, 01104K, 01105K, 01132K, 01143K, 01193K, 01238K, 01247K, 01272K, 0165K, 0167K, 0177K, 0197K, 0218K, 0221K, 0294K, 0299K, 0346K, 0393K, 0402K, 0533K, 0539K, 0580K, 0599K, 0604K, 0637K, 0668K, 0674K, 0712K, 0718K, 0749K, 0750K, 0781K, 0831K, 0838K, 0860K, 0884K, 0889K, 0937K, 0948K, 0958K, 8243, 01013L, 01018L, 01020L, 01022L, 01024L, 01037L, 01040L, 01042L, 01044L, 0104L, 01050L, 01051L, 0105L, 01092L, 01095L, 01104L, 01117L, 01143L, 01152L, 01159L, 01167L, 0116L, 01170L, 01187L, 01188L, 01204L, 01235L, 01237L, 01242L, 01247L, 0140L, 0141L, 0142L, 0144L, 0154L, 0159L, 0164L, 0165L, 0169L, 0180L, 0182L, 0191L, 0196L, 0198L, 0199L, 0201L, 0207L, 0208L, 0209L, 0215L, 0221L, 0248L, 0253L, 0257L, 0259L, 0260L, 0267L, 0270L, 0294L, 0299L, 0310L, 0312L, 0321L, 0324L, 0336L, 0343L, 0346L, 0358L, 0379L, 0384L, 0389L, 0391L, 0400L, 0431L, 0433L, 0450L, 0462L, 0464L, 0468L, 0469L, 0473L, 0474L, 0497L, 0501L, 0502L, 0506L, 0520L, 0522L, 0527L, 0530L, 0533L, 0546L, 0547L, 0571L, 0576L, 0578L, 0584L, 0587L, 0595L, 0598L, 0599L, 0603L, 0604L, 0605L, 0633L, 0635L, 0637L, 0639L, 0650L, 0655L, 0656L, 0661L, 0670L, 0674L, 0677L, 0701L, 0709L, 0736L, 0738L, 0739L, 0742L, 0743L, 0749L, 0763L, 0766L, 0780L, 0783L, 0794L, 0799L, 0816L, 0833L, 0838L , 0842L, 0843L, 0853L, 0860L, 0865L, 0866L, 0867L, 0869L, 0880L, 0881L, 0884L, 0895L, 0897L, 0936L, 0937L, 0939L, 0945L, 0946L, 0948L, 0950L, 0952L, 0958L, 0965L, 0976L, 0981L, 0984L,0987L, 0990L, 0991L.

ANNEX 1 SUMMARY OF ANALYTES

KWIK-STIK, LYFO DISK

The table below lists all unique microorganisms that are available in the KWIK-STIK or LYFO DISK formats. The base catalog number is a unique number that identifies the analyte, while the suffix of P, K, or L identifies the packaging configuration. KWIK-STIKs are available in 2-packs (P) and 6-packs (K), while LYFO DISK has one configuration of 6 pellets (L).

KWIK-STIK		LYFO DISK	Analyte
2-Pack	6-Pack		
0101P	0101K	0101L	*Streptococcus equi* subsp. *zooepidemicus* derived from ATCC® 43079™
0104P	0104K	N/A	*Streptococcus agalactiae* (B,3) derived from ATCC® 12403™
0105P	N/A	N/A	*Streptococcus agalactiae* derived from ATCC® BAA-611™
0106P	0106K	0106L	*Citrobacter koseri* derived from ATCC® 27156™
0110P	0110K	0110L	*Prevotella melaninogenica* derived from ATCC® 25845™
0111P	0111K	0111L	*Campylobacter jejuni* subsp. *jejuni* derived from ATCC® 33560™
0112P	0112K	0112L	*Mycobacterium tuberculosis* derived from ATCC® 25177™
0113P	0113K	0113L	*Staphylococcus aureus* subsp. *aureus* derived from ATCC® 9144™
0114P	0114K	0114L	*Mycobacterium smegmatis* derived from ATCC® 607™
0116P	0116K	N/A	*Priestia megaterium* derived from ATCC® 9885™
0119P	0119K	0119L	*Acinetobacter baumannii* derived from ATCC® BAA-747™
0120P	0120K	0120L	*Bacillus subtilis* derived from ATCC® 6051™
0121P	0121K	0121L	*Campylobacter coli* derived from ATCC® 43478™
0122P	0122K	0122L	*Candida glabrata* derived from ATCC® MYA-2950™
0123P	0123K	0123L	*Clostridium perfringens* derived from ATCC® 12916™
0126P	0126K	0126L	*Kocuria kristinae* derived from ATCC® BAA-752™
0127P	0127K	0127L	*Lactobacillus gasseri* derived from ATCC® 19992™
0128P	0128K	0128L	*Lactobacillus sakei* subsp. *sakei* derived from ATCC® 15521™
0129P	0129K	0129L	*Listeria monocytogenes* (4b) derived from ATCC® 13932™
0130P	0130K	0130L	*Listeria monocytogenes* derived from ATCC® BAA-751™
0131P	0131K	0131L	*Neisseria mucosa* derived from ATCC® 49233™
0132P	0132K	0132L	*Brucella anthropi* derived from ATCC® BAA-749™
0134P	0134K	0134L	*Staphylococcus saprophyticus* derived from ATCC® BAA-750™
0135P	0135K	0135L	*Stenotrophomonas maltophilia* derived from ATCC® 49130™
0136P	0136K	0136L	*Streptococcus thermophilus* derived from ATCC® 19258™
0139P	0139K	0139L	*Brevibacillus agri* derived from ATCC® 51663™
0140P	0140K	N/A	*Niallia circulans* derived from ATCC® 61™
0141P	0141K	N/A	*Aneurinibacillus aneurinilyticus* derived from ATCC® 11376™
0142P	0142K	N/A	*Paenibacillus macerans* derived from ATCC® 8509™
0143P	0143K	0143L	*Rhodotorula mucilaginosa* derived from ATCC® 66034™
0144P	0144K	N/A	*Brevibacillus laterosporus* derived from ATCC® 64™
0146P	0146K	0146L	*Staphylococcus aureus* subsp. *aureus* derived from ATCC® BAA-976™
0147P	0147K	0147L	*Staphylococcus aureus* subsp. *aureus* derived from ATCC® BAA-977™
0149P	0149K	0149L	*Lactococcus lactis* subsp. *lactis* derived from ATCC® 19435™
N/A	N/A	0151L	*Ureaplasma parvum* derived from ATCC® 27813™
0152P	0152K	0152L	*Lactococcus cremoris* derived from ATCC® 19257™
0153P	0153K	0153L	*Corynebacterium xerosis* derived from ATCC® 373™
0154P	0154K	N/A	*Listeria monocytogenes* derived from ATCC® 19118™
N/A	N/A	0156L	*Metamycoplasma hominis* derived from ATCC® 15488™
0157P	0157K	0157L	*Mycobacterium intracellulare* derived from ATCC® 13950™

0158P	0158K	0158L	*Staphylococcus aureus* subsp. *aureus* derived from ATCC® 700699™
0159P	0159K	N/A	*Staphylococcus aureus* subsp. *aureus* derived from ATCC® 51740™
0164P	0164K	N/A	*Chryseobacterium shigense* derived from ATCC® 51823™
0165P	N/A	N/A	*Hafnia alvei* derived from ATCC® 51815™
0167P	N/A	0167L	*Klebsiella oxytoca* derived from ATCC® 51817™
0168P	0168K	0168L	*Pseudomonas brenneri* derived from ATCC® 49642™
0169P	0169K	N/A	*Herminiimonas species* derived from ATCC® 49643™
0170P	0170K	0170L	*Cutibacterium acnes* derived from ATCC® 6919™
0172P	0172K	0172L	*Geobacillus stearothermophilus* derived from ATCC® 10149™
0173P	0173K	0173L	*Staphylococcus aureus* subsp. *aureus* derived from ATCC® 12600™
0175P	0175K	0175L	*Bifidobacterium breve* derived from ATCC® 15700™
0176P	0176K	0176L	*Lacticaseibacillus casei* derived from ATCC® 393™
0177P	N/A	0177L	*Aspergillus oryzae* derived from ATCC® 10124™
0178P	0178K	0178L	*Penicillium chrysogenum* derived from ATCC® 10106™
0179P	0179K	0179L	*Staphylococcus aureus* derived from ATCC® BAA-1026™
0180P	0180K	N/A	*Salmonella enterica* subsp. *enterica* serovar Typhimurium derived from ATCC® 51812™
0181P	0181K	0181L	*Enterococcus faecalis* derived from ATCC® 14506™
0182P	0182K	N/A	*Pseudomonas aeruginosa* derived from ATCC® 35554™
0184P	0184K	0184L	*Aggregatibacter aphrophilus* derived from ATCC® 33389™
0185P	0185K	0185L	*Haemophilus influenzae* derived from ATCC® 9007™
0188P	0188K	0188L	*Campylobacter jejuni* subsp. *jejuni* derived from ATCC® BAA-1153™
0189P	0189K	0189L	*Eikenella corrodens* derived from ATCC® BAA-1152™
0191P	0191K	N/A	*Raoultella terrigena* derived from ATCC® 33257™
0196P	0196K	N/A	*Klebsiella aerogenes* derived from ATCC® 51697™
0197P	N/A	0197L	*Enterococcus faecalis* derived from ATCC® 33186™
0198P	0198K	N/A	*Bacillus cereus* derived from ATCC® 33019™
0199P	0199K	N/A	*Pseudomonas aeruginosa* derived from ATCC® 19429™
0200P	0200K	0200L	*Bacillus cereus* derived from ATCC® 14579™
0201P	0201K	N/A	*Priestia megaterium* derived from ATCC® 14581™
0203P	0203K	0203L	*Escherichia coli* derived from ATCC® 23848™
0204P	0204K	0204L	*Escherichia coli* (JM101) derived from ATCC® 33876™
0205P	0205K	0205L	*Lactococcus lactis* subsp. *lactis* derived from ATCC® 11454™
0207P	0207K	N/A	Penicillium *rubens* derived from ATCC® 9179™
0208P	0208K	N/A	*Rhizopus stolonifer* (-) derived from ATCC® 6227a™
0209P	0209K	N/A	Rhizopus *stolonifer* (+) derived from ATCC® 6227b™
0211P	0211K	0211L	*Legionella pneumophila* subsp. *pneumophila* derived from ATCC® 33152™
0212P	0212K	0212L	*Legionella bozemanae* derived from ATCC® 33217™
0215P	0215K	N/A	*Morganella morganii* subsp. *morganii* derived from ATCC® 25829™
0217P	0217K	0217L	*Staphylococcus lugdunensis* derived from ATCC® 49576™
0218P	N/A	0218L	*Micrococcus yunnanensis* derived from ATCC® 7468™
0221P	N/A	N/A	*Streptococcus equi* subsp. *equi* derived from ATCC® 33398™
0223P	0223K	0223L	*Enterococcus saccharolyticus* derived from ATCC® 43076™
0227P	0227K	0227L	*Issatchenkia orientalis* derived from ATCC® 6258™
0228P	0228K	0228L	*Paenibacillus polymyxa* derived from ATCC® 43865™
0229P	0229K	0229L	*Citrobacter freundii* derived from ATCC® 43864™
0231P	0231K	0231L	*Escherichia coli* derived from ATCC® 700728™
0232P	0232K	0232L	*Listeria monocytogenes* derived from ATCC® 19112™
0233P	0233K	0233L	*Lacticaseibacillus rhamnosus* derived from ATCC® 7469™

0234P	0234K	0234L	*Lactiplantibacillus plantarum* derived from ATCC® 8014™
0235P	0235K	0235L	*Lactobacillus delbrueckii* subsp. *lactis* derived from ATCC® 7830™
0237P	0237K	0237L	*Streptococcus salivarius* derived from ATCC® 13419™
0241P	0241K	0241L	*Pseudomonas fluorescens* derived from ATCC® 13525™
0242P	0242K	0242L	*Micrococcus luteus* derived from ATCC® 4698™
0243P	0243K	0243L	*Lactobacillus acidophilus* derived from ATCC® 4356™
0245P	0245K	0245L	*Aspergillus niger* derived from ATCC® 16888™
0246P	0246K	0246L	*Staphylococcus haemolyticus* derived from ATCC® 29970™
0247P	0247K	0247L	*Serratia marcescens* derived from ATCC® 13880™
0248P	0248K	N/A	*Moraxella catarrhalis* derived from ATCC® 23246™
0249P	0249K	0249L	*Aggregatibacter aphrophilus* derived from ATCC® 49917™
0250P	0250K	0250L	*Candida albicans* derived from ATCC® 90029™
0251P	0251K	0251L	*Campylobacter jejuni* subsp. *jejuni* derived from ATCC® 49943™
0253P	0253K	N/A	*Salmonella enterica* subsp. *enterica* serovar Typhimurium derived from ATCC® 25241™
0254P	0254K	0254L	*Listeria monocytogenes* Cornell University derived from Silliker® SLR2249
0255P	0255K	0255L	*Zygosaccharomyces rouxii* derived from NCYC 381
0256P	0256K	0256L	*Bacillus cereus* derived from ATCC® 11778™
0257P	0257K	N/A	*Clostridium perfringens* derived from ATCC® 3624™
0258P	0258K	0258L	*Bacillus sp.* derived from ATCC® 14884™
0259P	0259K	N/A	*Pediococcus acidilactici* derived from ATCC® 8042™
0260P	0260K	N/A	*Arthrobacter psychrolactophilus* derived from ATCC® 700733™
0261P	0261K	0261L	*Klebsiella variicola* derived from ATCC® 31488™
0262P	0262K	0262L	*Serratia marcescens* derived from ATCC® 43862™
0263P	0263K	0263L	*Aerococcus viridans* derived from ATCC® 10400™
0264P	0264K	0264L	*Candida albicans* derived from ATCC® 90028™
0265P	0265K	0265L	*Alicyclobacillus acidoterrestris* derived from ATCC® 49025™
0266P	0266K	0266L	*Streptococcus mutans* derived from ATCC® 25175™
0267P	0267K	N/A	*Streptococcus pneumoniae* derived from ATCC® 700677™
0269P	0269K	0269L	*Bacillus subtilis* derived from ATCC® 11774™
0270P	0270K	N/A	*Bacillus thuringiensis* derived from ATCC® 10792™
0272P	0272K	0272L	*Mycobacterium terrae* derived from ATCC® 15755™
0274P	0274K	0274L	*Sphingomonas paucimobilis* derived from ATCC® 29837™
0276P	0276K	0276L	*Aerococcus viridans* derived from ATCC® 11563™
0277P	0277K	0277L	*Listeria monocytogenes* derived from ATCC® 19111™
0290P	0290K	0290L	*Aeromonas salmonicida* derived from ATCC® 7965™
0291P	0291K	0291L	*Cryptococcus neoformans* derived from ATCC® 14116™
0293P	0293K	0293L	*Corynebacterium renale* derived from ATCC® 19412™
0294P	N/A	N/A	*Cellulosimicrobium cellulans* derived from ATCC® 27402™
0295P	0295K	0295L	*Microbacterium testaceum* derived from ATCC® 15829™
0296P	0296K	0296L	*Paenibacillus polymyxa* derived from ATCC® 7070™
0299P	N/A	N/A	*Listeria ivanovii* subsp. *londoniensis* derived from ATCC® BAA-139™
0300P	0300K	0300L	*Proteus vulgaris* derived from ATCC® 33420™
0303P	0303K	0303L	*Shigella sonnei* derived from ATCC® 25931™
0306P	0306K	0306L	*Klebsiella aerogenes* derived from ATCC® 13048™
0310P	0310K	N/A	*Proteus mirabilis* derived from NCIMB 13283
0312P	0312K	N/A	*Staphylococcus aureus* subsp. *aureus* derived from NCIMB 12702
0313P	0313K	0313L	*Enterobacter cloacae* subsp. *cloacae* derived from ATCC® 23355™
0314P	N/A	N/A	*Streptococcus pyogenes* derived from NCIMB 13285

0315P	0315K	0315L	*Citrobacter freundii derived from ATCC® 8090™*
0316P	0316K	0316L	*Yersinia enterocolitica* subsp. *enterocolitica* derived from ATCC® 23715™
0317P	0317K	0317L	*Clostridium sporogenes* derived from ATCC® 19404™
0318P	0318K	0318L	*Clostridium perfringens* derived from ATCC® 13124™
0319P	0319K	0319L	*Bacteroides thetaiotaomicron* derived from ATCC® 29741™
0320P	0320K	0320L	*Bacteroides fragilis* derived from ATCC® 25285™
0321P	0321K	N/A	*Proteus mirabilis* derived from ATCC® 29245™
0322P	0322K	0322L	*Peptostreptococcus anaerobius* derived from ATCC® 27337™
0323P	0323K	0323L	*Enterobacter cloacae* subsp. *cloacae* derived from ATCC® 13047™
0324P	0324K	N/A	*Myroides odoratus* derived from ATCC® 4651™
0325P	0325K	0325L	*Campylobacter jejuni* subsp. *jejuni* derived from ATCC® 29428™
0327P	0327K	0327L	*Clostridium histolyticum* derived from ATCC® 19401™
0328P	0328K	0328L	*Fusobacterium nucleatum* subsp. *nucleatum* derived from ATCC® 25586™
0329P	0329K	0329L	*Clostridioides difficile* derived from ATCC® 9689™
0330P	0330K	0330L	*Bacillus cereus* derived from NCIMB 7464
0331P	0331K	0331L	*Paeniclostridium sordellii* derived from ATCC® 9714™
0332P	0332K	0332L	*Candida albicans* derived from ATCC® 14053™
0333P	0333K	0333L	*Papiliotrema laurentii* derived from ATCC® 18803™
0334P	0334K	0334L	*Cryptococcus neoformans* derived from ATCC® 32045™
0335P	0335K	0335L	*Escherichia coli* derived from ATCC® 25922™
0336P	0336K	N/A	*Enterococcus faecalis* derived from NCIMB 13280
0338P	0338K	0338L	*Haemophilus influenzae* derived from ATCC® 33533™
0341P	0341K	0341L	*Salmonella enterica* subsp. *enterica* serovar Paratyphi A derived from ATCC® 9150™
0343P	0343K	N/A	*Salmonella enterica* subsp. *enterica* serovar Choleraesuis derived from ATCC® 7001™
0345P	0345K	0345L	*Salmonella enterica* subsp. *enterica* serovar Enteritidis derived from ATCC® 13076™
0346P	N/A	N/A	*Salmonella enterica* subsp. *enterica* serovar Anatum derived from ATCC® 9270™
0348P	0348K	0348L	*Shigella flexneri* derived from ATCC® 9199™
0349P	0349K	0349L	*Shigella boydii* derived from ATCC® 9207™
0350P	0350K	0350L	*Shigella sonnei* derived from ATCC® 29930™
0351P	0351K	0351L	*Klebsiella pneumoniae* subsp. *pneumoniae* derived from ATCC® 13883™
0352P	0352K	0352L	*Staphylococcus aureus* subsp. *aureus* derived from ATCC® 33862™
0353P	0353K	0353L	*Pseudomonas aeruginosa* derived from ATCC® 27853™
0354P	0354K	0354L	*Serratia marcescens* derived from ATCC® 8100™
0355P	0355K	0355L	*Proteus hauseri* derived from ATCC® 13315™
0356P	0356K	0356L	*Shigella flexneri* derived from ATCC® 12022™
0357P	0357K	0357L	*Acinetobacter baumannii* derived from ATCC® 19606™
0358P	0358K	N/A	*Bacteroides fragilis* derived from NCTC 9343
0360P	0360K	0360L	*Staphylococcus aureus* subsp. *aureus* derived from ATCC® 25923™
0363P	0363K	0363L	*Salmonella enterica* subsp. *enterica* serovar Typhimurium derived from ATCC® 14028™
0365P	0365K	0365L	*Staphylococcus aureus* subsp. *aureus* derived from ATCC® 29213™
0366P	0366K	0366L	*Enterococcus faecalis* derived from ATCC® 29212™
0367P	0367K	0367L	*Enterococcus faecalis* derived from ATCC® 19433™
0369P	0369K	0369L	*Stenotrophomonas maltophilia* derived from ATCC® 13637™
0370P	0370K	0370L	*Streptococcus agalactiae* derived from ATCC® 13813™
0371P	0371K	0371L	*Staphylococcus epidermidis* derived from ATCC® 12228™
0375P	0375K	0375L	*Neisseria gonorrhoeae* derived from ATCC® 31426™
0376P	0376K	0376L	*Haemophilus influenzae* derived from ATCC® 19418™
0377P	0377K	0377L	*Haemophilus parahaemolyticus* derived from ATCC® 10014™

0378P	0378K	0378L	*Neisseria gonorrhoeae* derived from ATCC® 19424™
0379P	0379K	N/A	*Candida albicans* derived from NCYC 1363
0380P	0380K	0380L	*Streptococcus pneumoniae* derived from ATCC® 6303™
0383P	0383K	0383L	*Streptococcus mitis* derived from NCIMB 13770
0384P	0384K	N/A	*Providencia stuartii* derived from ATCC® 33672™
0385P	0385K	0385L	*Streptococcus pyogenes* derived from ATCC® 19615™
0388P	0388K	0388L	*Enterobacter cloacae* subsp. *cloacae* derived from ATCC® 35030™
0389P	0389K	N/A	*Streptococcus anginosus* derived from NCTC 10713
0391P	0391K	N/A	*Streptococcus gallolyticus* derived from ATCC® 9809™
0392P	0392K	0392L	*Aspergillus brasiliensis* derived from ATCC® 16404™
0393P	N/A	0393L	*Proteus vulgaris* derived from NCTC 4636
0398P	0398K	0398L	*Listeria monocytogenes* derived from ATCC® 7644™
0399P	0399K	0399L	*Klebsiella aerogenes* derived from ATCC® 35029™
0400P	0400K	N/A	*Bacteroides ovatus* derived from ATCC® 8483™
0402P	N/A	0402L	*Alcaligenes faecalis* subsp. *faecalis* derived from ATCC® 8750™
0403P	0403K	0403L	*Moraxella catarrhalis* derived from ATCC® 25240™
0404P	0404K	0404L	*Neisseria meningitidis* derived from ATCC® 13102™
0405P	0405K	0405L	*Neisseria lactamica* derived from ATCC® 23970™
0406P	0406K	0406L	*Neisseria sicca* derived from ATCC® 9913™
0407P	0407K	0407L	*Fusobacterium necrophorum* subsp. *necrophorum* derived from ATCC® 25286™
0409P	0409K	0409L	*Finegoldia magna* derived from ATCC® 29328™
0410P	0410K	0410L	*Gardnerella vaginalis* derived from ATCC® 14018™
0411P	0411K	0411L	*Aggregatibacter aphrophilus* derived from ATCC® 7901™
0412P	0412K	0412L	*Staphylococcus epidermidis* derived from ATCC® 14990™
0414P	0414K	0414L	*Listeria innocua* derived from NCTC 11288
0416P	0416K	0416L	*Pseudomonas aeruginosa* derived from ATCC® 10145™
0419P	0419K	0419L	*Cutibacterium acnes* derived from ATCC® 11827™
0421P	0421K	0421L	*Salmonella enterica* subsp. *enterica* serovar Typhimurium derived from ATCC® 13311™
0422P	0422K	0422L	*Escherichia coli* derived from ATCC® 35421™
0423P	0423K	0423L	*Streptococcus oralis* derived from ATCC® 6249™
0425P	0425K	0425L	*Candida albicans* derived from ATCC® 60193™
0426P	0426K	0426L	*Neisseria gonorrhoeae* derived from ATCC® 43070™
0429P	0429K	0429L	N*eisseria gonorrhoeae* derived from ATCC® 43069™
0431P	0431K	N/A	*Paenibacillus larvae* subsp. *larvae* derived from ATCC® 9545™
0432P	0432K	0432L	*Proteus mirabilis* derived from ATCC® 43071™
0433P	0433K	N/A	*Escherichia coli* derived from ATCC® 4157™
0435P	0435K	0435L	*Streptococcus pneumoniae* derived from ATCC® 27336™
0436P	0436K	0436L	*Streptococcus agalactiae* derived from ATCC® 27956™
0439P	0439K	0439L	*Streptococcus agalactiae* derived from ATCC® 12386™
0440P	0440K	0440L	*Proteus mirabilis* derived from ATCC® 12453™
0441P	0441K	0441L	*Haemophilus influenzae* derived from ATCC® 10211™
0442P	0442K	0442L	*Trichophyton interdigitale* derived from ATCC® 9533™
0443P	0443K	0443L	*Candida albicans* derived from ATCC® 10231™
0444P	0444K	0444L	*Trichophyton rubrum* derived from ATCC® 28188™
0445P	0445K	0445L	*Phocaeicola vulgatus* derived from ATCC® 8482™
0446P	0446K	0446L	*Shigella sonnei* derived from ATCC® 9290™
0447P	0447K	0447L	*Streptococcus pneumoniae* derived from ATCC® 6305™
0450P	0450K	N/A	*Candida tropicalis* derived from ATCC® 13803™

0453P	0453K	0453L	*Neisseria meningitidis* derived from ATCC® 13077™
0454P	0454K	0454L	*Neisseria meningitidis* derived from ATCC® 13090™
0458P	0458K	0458L	*Klebsiella pneumoniae* subsp. *pneumoniae* derived from ATCC® 13882™
0459P	0459K	0459L	*Proteus vulgaris* derived from ATCC® 6380™
0462P	0462K	N/A	*Staphylococcus aureus* subsp. *aureus* derived from ATCC® 11632™
0463P	0463K	0463L	*Streptococcus bovis* derived from ATCC® 33317™
0464P	0464K	N/A	*Neisseria sicca* derived from ATCC® 29193™
0465P	0465K	0465L	*Escherichia coli* derived from ATCC® 11775™
0468P	0468K	N/A	*Acinetobacter lwoffii* derived from ATCC® 15309™
0469P	0469K	N/A	*Streptococcus pneumoniae* derived from NCIMB 13286
0472P	0472K	0472L	*Enterococcus faecalis* derived from NCTC 775
0473P	0473K	N/A	*Paenibacillus validus* derived from ATCC® 29948™
0474P	0474K	N/A	*Bacillus pumilus* derived from ATCC® BAA-1434™
0475P	0475K	0475L	*Moraxella osloensis* derived from ATCC® 10973™
0476P	0476K	0476L	*Haemophilus influenzae* derived from ATCC® 43163™
0478P	0478K	0478L	*Citrobacter braakii* derived from ATCC® 43162™
0480P	N/A	N/A	*Streptococcus agalactiae* derived from NCTC 8017
0481P	0481K	0481L	*Campylobacter jejuni* subsp. *jejuni* derived from ATCC® 33291™
0483P	0483K	0483L	*Escherichia coli* derived from ATCC® 8739™
0484P	0484K	0484L	*Pseudomonas paraeruginosa* derived from ATCC® 9027™
0485P	0485K	0485L	*Staphylococcus aureus* subsp. *aureus* derived from ATCC® 6538™
0486P	0486K	0486L	*Bacillus spizizenii* derived from ATCC® 6633™
0487P	0487K	0487L	*Clostridium sporogenes* derived from ATCC® 11437™
0488P	0488K	0488L	*Burkholderia cepacia* derived from ATCC® 25416™
0489P	0489K	0489L	*Bordetella pertussis* derived from ATCC® 8467™
0494P	0494K	0494L	*Staphylococcus saprophyticus* derived from ATCC® 15305™
0495P	0495K	0495L	*Escherichia coli* derived from ATCC® 35218™
0496P	0496K	0496L	*Staphylococcus aureus* subsp. *aureus* derived from ATCC® 33591™
0497P	0497K	N/A	*Enterococcus faecalis* derived from ATCC® 7080™
0500P	0500K	0500L	*Aspergillus niger* derived from ATCC® 6275™
0501P	0501K	N/A	*Salmonella enterica* subsp. *enterica* derived from ATCC® 51741™
0502P	0502K	N/A	*Escherichia coli* derived from ATCC® 11303™
N/A	N/A	0503L	*Mycoplasma pneumoniae* derived from ATCC® 15531™
0506P	0506K	N/A	*Serratia marcescens* derived from ATCC® 14041™
0508P	0508K	0508L	*Streptococcus pyogenes* derived from ATCC® 12344™
0510P	0510K	0510L	*Candida krusei* derived from ATCC® 34135™
0511P	0511K	0511L	*Acetobacter aceti* derived from ATCC® 15973™
0513P	0513K	0513L	*Mycobacterium fortuitum* subsp. *fortuitum* derived from ATCC® 6841™
0514P	0514K	0514L	*Mycobacterium smegmatis* derived from ATCC® 19420™
0519P	0519K	0519L	*Galactomyces candidus* derived from ATCC® 34614™
0520P	0520K	N/A	*Candida geochares* derived from ATCC® 36852™
0522P	0522K	N/A	*Mycobacterium avium* subsp. *avium* derived from ATCC® 15769™
0524P	0524K	0524L	*Pseudomonas protegens* (G) derived from ATCC® 17386™
0527P	0527K	N/A	*Clostridioides difficile* derived from ATCC® 700057™
0530P	0530K	N/A	*Klebsiella oxytoca* derived from ATCC® 13182™
0531P	0531K	0531L	*Fusarium keratoplasticum* derived from ATCC® 36031™
0533P	N/A	N/A	*Staphylococcus capitis* derived from ATCC® 146™
0534P	0534K	0534L	*Saccharomyces cerevisiae* derived from ATCC® 4098™

0537P	0537K	0537L	*Cladosporium cladosporioides* derived from ATCC® 16022™
0539P	N/A	0539L	*Bacillus thuringiensis* derived from ATCC® 33679™
0540P	0540K	0540L	*Bacillus spizizenii* derived from ATCC® 19659™
0543P	0543K	0543L	*Escherichia coli* derived from ATCC® 14169™
0544P	0544K	0544L	*Mycobacterium avium* subsp. *avium* derived from ATCC® 25291™
0545P	0545K	0545L	*Mycobacterium kansasii* derived from ATCC® 12478™
0546P	0546K	N/A	*Lacticaseibacillus paracasei* derived from ATCC® 334™
0547P	0547K	N/A	*Clostridium perfringens* derived from NCTC 8678
0571P	0571K	N/A	*Staphylococcus epidermidis* derived from NCIMB 8853
0572P	0572K	0572L	*Clostridium perfringens* derived from NCTC 8237
0574P	0574K	0574L	*Citrobacter freundii* derived from NCTC 9750
0576P	0576K	N/A	*Pseudomonas aeruginosa* derived from NCIMB 8626
0577P	0577K	0577L	*Bacillus pumilus* derived from ATCC® 700814™
0578P	0578K	N/A	*Citrobacter braakii* derived from ATCC® 51113™
0580P	N/A	0580L	*Clostridium sporogenes* derived from NCIMB 12343
0583P	0583K	0583L	*Corynebacterium striatum* derived from ATCC® BAA-1293™
0584P	0584K	N/A	*Parabacteroides distasonis* derived from ATCC® BAA-1295™
0585P	0585K	0585L	*Bacteroides ovatus* derived from ATCC® BAA-1296™
0586P	0586K	0586L	*Clostridium septicum* derived from ATCC® 12464™
0587P	0587K	N/A	*Bacteroides ovatus* derived from ATCC® BAA-1304™
0595P	0595K	N/A	*Salmonella bongori* derived from ATCC® 43975™
0596P	0596K	0596L	*Weizmannia coagulans* derived from ATCC® 7050™
0597P	0597K	0597L	*Klebsiella aerogenes* derived from NCIMB 10102
0598P	0598K	N/A	*Pseudomonas aeruginosa* derived from NCIMB 12469
0599P	N/A	N/A	*Acinetobacter baumannii* derived from NCIMB 12457
0602P	0602K	0602L	*Streptococcus dysgalactiae* subsp. *equisimilis* derived from ATCC® 12394™
0603P	0603K	N/A	*Streptococcus dysgalactiae* subsp. *equisimilis* derived from ATCC® 12388™
0604P	N/A	N/A	*Salmonella enterica* subsp. *enterica* serovar Pullorum derived from ATCC® 13036™
0605P	0605K	N/A	*Staphylococcus xylosus* derived from ATCC® 29971™
0607P	0607K	0607L	*Proteus mirabilis* derived from ATCC® 7002™
0617P	0617K	0617L	*Escherichia coli* (O157:H7) derived from ATCC® 35150™
0618P	0618K	0618L	*Parabacteroides distasonis* derived from ATCC® 8503™
0619P	0619K	0619L	*Bacteroides uniformis* derived from ATCC® 8492™
0620P	0620K	0620L	*Haemophilus influenzae* derived from ATCC® 9006™
0621P	0621K	0621L	*Oligella urethralis* derived from ATCC® 17960™
0622P	0622K	0622L	*Moraxella catarrhalis* derived from ATCC® 8176™
0626P	0626K	0626L	*Klebsiella oxytoca* derived from ATCC® 49131™
0627P	0627K	0627L	*Pseudomonas putida* derived from ATCC® 49128™
0628P	0628K	0628L	*Staphylococcus epidermidis* derived from ATCC® 49134™
0629P	0629K	0629L	*Staphylococcus gallinarum* derived from ATCC® 49148™
0630P	0630K	0630L	*Streptococcus pasteurianus* derived from ATCC® 49133™
0631P	0631K	0631L	*Streptococcus gallolyticus* derived from ATCC® 49147™
0632P	0632K	0632L	*Streptococcus pneumoniae* derived from ATCC® 49136™
0633P	0633K	N/A	*Streptococcus pneumoniae* derived from ATCC® 49150™
0635P	0635K	N/A	*Acinetobacter species* derived from ATCC® 49139™
0637P	N/A	N/A	*Aeromonas hydrophila* derived from ATCC® 49140™
0638P	0638K	0638L	*Shewanella haliotis* derived from ATCC® 49138™
0639P	0639K	N/A	*Enterobacter ludwigii* derived from ATCC® 49141™

0640P	0640K	0640L	*Proteus vulgaris* derived from ATCC® 49132™
0641P	0641K	0641L	*Ralstonia insidiosa* derived from ATCC® 49129™
0642P	0642K	0642L	*Moraxella catarrhalis* derived from ATCC® 49143™
0643P	0643K	0643L	*Gardnerella vaginalis* derived from ATCC® 49145™
0644P	0644K	0644L	*Haemophilus influenzae* derived from ATCC® 49144™
0645P	0645K	0645L	*Aggregatibacter aphrophilus* derived from ATCC® 49146™
0646P	0646K	0646L	*Neisseria lactamica* derived from ATCC® 49142™
0647P	0647K	0647L	*Haemophilus influenzae* derived from ATCC® 49247™
0648P	0648K	0648L	*Neisseria gonorrhoeae* derived from ATCC® 49226™
0650P	0650K	N/A	*Enterococcus hirae* derived from ATCC® 8043™
0651P	0651K	0651L	*Enterococcus durans* derived from ATCC® 6056™
0655P	0655K	N/A	*Bordetella bronchiseptica* derived from ATCC® 10580™
0656P	0656K	N/A	*Streptococcus equi* subsp. *equi* derived from ATCC® 9528™
0660P	0660K	0660L	*Trueperella pyogenes* derived from ATCC® 19411™
0661P	0661K	N/A	*Erysipelothrix rhusiopathiae* derived from ATCC® 19414™
0668P	N/A	0668L	*Pasteurella multocida* subsp. *multocida* derived from ATCC® 12945™
0669P	0669K	0669L	*Kocuria rhizophila* derived from ATCC® 9341a™
0670P	0670K	N/A	*Kocuria rhizophila* derived from ATCC® 15957™
0671P	0671K	0671L	*Bordetella bronchiseptica* derived from ATCC® 4617™
0674P	N/A	N/A	*Clostridium perfringens* derived from ATCC® 12919™
0676P	0676K	0676L	*Clostridium sporogenes* derived from ATCC® 3584™
0677P	0677K	N/A	*Enterococcus faecium* derived from ATCC® 6569™
0678P	0678K	0678L	*Enterococcus hirae* derived from ATCC® 10541™
0679P	0679K	0679L	*Enterococcus faecium* derived from ATCC® 27270™
0680P	0680K	0680L	*Escherichia coli* derived from ATCC® 10536™
0681P	0681K	0681L	*Escherichia coli* derived from ATCC® 11229™
0683P	0683K	0683L	*Klebsiella pneumoniae* subsp. *pneumoniae* derived from ATCC® 4352™
0684P	0684K	0684L	*Klebsiella pneumoniae* subsp. *pneumoniae* derived from ATCC® 10031™
0685P	0685K	0685L	*Klebsiella pneumoniae* subsp. *pneumoniae* derived from ATCC® 27736™
0686P	0686K	0686L	*Listeria monocytogenes* derived from ATCC® 19114™
0687P	0687K	0687L	*Listeria monocytogenes* derived from ATCC® 19115™
0688P	0688K	0688L	*Kocuria rhizophila* derived from ATCC® 9341™
0689P	0689K	0689L	*Micrococcus luteus* derived from ATCC® 10240™
0690P	0690K	0690L	*Proteus mirabilis* derived from ATCC® 25933™
0691P	0691K	0691L	*Proteus vulgaris* derived from ATCC® 8427™
0693P	0693K	0693L	*Pseudomonas aeruginosa* derived from ATCC® 15442™
0695P	0695K	0695L	*Pseudomonas aeruginosa* derived from ATCC® 25619™
0697P	0697K	0697L	*Rhodococcus equi* derived from ATCC® 6939™
0698P	0698K	0698L	*Saccharomyces kudriavzevii* derived from ATCC® 2601™
0699P	0699K	0699L	*Saccharomyces cerevisiae* derived from ATCC® 9763™
0701P	0701K	N/A	*Malassezia furfur* derived from ATCC® 14521™
0702P	0702K	0702L	*Pseudomonas* sp. derived from ATCC® 31483™
0703P	0703K	0703L	*Pluralibacter gergoviae* derived from ATCC® 33028™
0706P	0706K	0706L	*Escherichia coli* derived from NCTC 10538
0709P	0709K	N/A	*Streptococcus agalactiae* (B) derived from NCIMB 701348
0710P	0710K	0710L	*Streptococcus agalactiae* derived from NCTC 9993
0712P	N/A	0712L	*Campylobacter jejuni* subsp. *jejuni* derived from NCTC 13367
0713P	0713K	0713L	*Staphylococcus aureus* subsp. *aureus* derived from NCTC 12973

0714P	0714K	0714L	*Enterococcus faecalis* derived from NCTC 13379
0718P	N/A	0718L	*Campylobacter jejuni* subsp. *jejuni* derived from NCTC 11322
0720P	0720K	0720L	*Vibrio furnissii* derived from NCTC 11218
0721P	0721K	0721L	*Mycobacterium smegmatis* derived from ATCC® 14468™
0726P	0726K	0726L	*Candida parapsilosis* derived from ATCC® 22019™
0727P	0727K	0727L	*Listeria monocytogenes* derived from ATCC® 15313™
0728P	0728K	0728L	*Thermoanaerobacterium thermosaccharolyticum* derived from ATCC® 7956™
0736P	0736K	N/A	*Saccharomyces cerevisiae* derived from NCYC 79
0737P	0737K	0737L	*Nakaseomyces glabratus* derived from ATCC® MYA-5039™
0738P	0738K	N/A	*Meyerozyma guilliermondii* derived from ATCC® 6260™
0739P	0739K	N/A	*Staphylococcus lentus* derived from ATCC® 700403™
0740P	0740K	0740L	*Micrococcus species* derived from ATCC® 700405™
0741P	0741K	0741L	*Staphylococcus xylosus* derived from ATCC® 700404™
0742P	0742K	N/A	*Stenotrophomonas maltophilia* derived from ATCC® 51331™
0743P	0743K	N/A	*Streptococcus equi* subsp. *zooepidemicus* derived from ATCC® 700400™
0744P	0744K	0744L	*Streptococcus uberis* derived from ATCC® 700407™
0747P	0747K	0747L	*Escherichia coli* derived from ATCC® 13706™
0749P	N/A	N/A	*Capnocytophaga sputigena* derived from ATCC® 33612™
0750P	N/A	0750L	*Actinomyces viscosus* derived from ATCC® 15987™
0754P	0754K	0754L	*Brevundimonas diminuta* derived from ATCC® 11568™
0755P	0755K	0755L	*Enterobacter hormaechei* derived from ATCC® 700323™
0756P	0756K	0756L	*Cronobacter muytjensii* derived from ATCC® 51329™
0757P	0757K	0757L	*Klebsiella oxytoca* derived from ATCC® 700324™
0759P	0759K	0759L	*Stenotrophomonas maltophilia* derived from ATCC® 17666™
0761P	0761K	0761L	*Enterococcus casseliflavus* derived from ATCC® 700327™
0763P	0763K	N/A	*Streptococcus pneumoniae* derived from ATCC® 6301™
0764P	0764K	0764L	*Mammaliicoccus sciuri* derived from ATCC® 29061™
0766P	0766K	N/A	*Kocuria rosea* derived from ATCC® 186™
0774P	0774K	0774L	*Candida lusitaniae* derived from ATCC® 34449™
0778P	0778K	0778L	*Cutaneotrichosporon dermatis* derived from ATCC® 204094™
0779P	0779K	0779L	*Candida utilis* derived from ATCC® 9950™
0780P	0780K	N/A	*Prototheca wickerhamii* derived from ATCC® 16529™
0781P	N/A	0781L	*Cryptococcus neoformans* derived from ATCC® 204092™
0783P	0783K	N/A	*Listeria monocytogenes* derived from NCTC 10890
0784P	0784K	0784L	*Klebsiella quasipneumoniae* derived from ATCC® 700603™
0791P	0791K	0791L	*Escherichia coli* derived from ATCC® 51813™
0794P	0794K	N/A	*Penicillium venetum* derived from ATCC® 16025™
0795P	0795K	0795L	*Escherichia coli* (O157:H7) derived from ATCC® 43888™
0799P	0799K	N/A	*Bacillus licheniformis* derived from ATCC® 14580™
0800P	0800K	0800L	*Candida albicans* derived from ATCC® 24433™
0801P	0801K	0801L	*Clostridium perfringens* derived from ATCC® 12915™
0802P	0802K	0802L	*Listeria seeligeri* derived from ATCC® 35967™
0803P	0803K	0803L	*Zygosaccharomyces rouxii* derived from ATCC® 28253™
0804P	0804K	0804L	*Micrococcus luteus* derived from ATCC® 49732™
0805P	0805K	0805L	*Brevundimonas diminuta* derived from ATCC® 19146™
0806P	0806K	0806L	*Serratia marcescens* derived from ATCC® 14756™
0809P	0809K	0809L	*Candida krusei* derived from ATCC® 14243™
0812P	0812K	0812L	*Bacillus licheniformis* derived from ATCC® 12759™

0813P	0813K	0813L	*Lactobacillus fermentum* derived from ATCC® 9338™
0814P	0814K	0814L	*Listeria innocua* (6a) derived from ATCC® 33090™
0815P	0815K	0815L	*Listeria ivanovii* subsp. *ivanovii* derived from ATCC® 19119™
0816P	0816K	N/A	*Listeria welshimeri* derived from ATCC® 35897™
0817P	0817K	0817L	*Salmonella enterica* subsp. *enterica* serovar Abaetetuba derived from ATCC® 35640™
0818P	0818K	0818L	*Vibrio parahaemolyticus* derived from ATCC® 17802™
0819P	0819K	0819L	*Vibrio alginolyticus* derived from ATCC® 17749™
0826P	0826K	0826L	*Salmonella enterica* subsp. *enterica* serovar Abaetetuba derived from Silliker® SLR156
0827P	0827K	0827L	*Staphylococcus aureus* subsp. *aureus* derived from ATCC® 6538P™
0828P	0828K	0828L	*Paraclostridium bifermentans* derived from ATCC® 638™
0830P	0830K	0830L	*Pseudomonas aeruginosa* derived from NCTC 10662
0831P	N/A	0831L	*Staphylococcus aureus* derived from NCTC 6571
0832P	0832K	0832L	*Staphylococcus aureus* subsp. *aureus* derived from ATCC® 51153™
0833P	0833K	N/A	*Clostridioides difficile* derived from ATCC® 43593™
0836P	0836K	0836L	*Burkholderia cenocepacia* derived from ATCC® 25608™
0838P	N/A	N/A	*Serratia liquefaciens* derived from ATCC® 27592™
0839P	0839K	0839L	*Morganella morganii* subsp. *morganii* derived from ATCC® 25830™
0840P	0840K	0840L	*Klebsiella michiganensis* derived from ATCC® 8724™
0841P	0841K	0841L	*Proteus vulgaris* derived from ATCC® 6896™
0842P	0842K	N/A	*Bordetella parapertussis* derived from ATCC® 15311™
0843P	0843K	N/A	*Bordetella pertussis* derived from ATCC® 9797™
0844P	0844K	0844L	*Corynebacterium diphtheriae* derived from ATCC® 13812™
0845P	0845K	0845L	*Edwardsiella tarda* derived from ATCC® 15947™
0847P	0847K	0847L	*Candida tropicalis* derived from ATCC® 750™
0851P	0851K	0851L	*Salmonella enterica* subsp. *enterica* serovar Poona derived from NCTC 4840
0852P	0852K	0852L	*Staphylococcus aureus* subsp. *aureus* derived from ATCC® 43300™
0853P	0853K	N/A	*Pseudomonas stutzeri* derived from ATCC® 17588™
0856P	0856K	0856L	*Listeria grayi* derived from ATCC® 25401™
0857P	0857K	0857L	*Enterococcus raffinosus* derived from ATCC® 49464™
0858P	0858K	0858L	*Streptococcus sanguinis* derived from ATCC® 10556™
0859P	0859K	0859L	*Streptomyces griseus* subsp. *griseus* derived from ATCC® 10137™
0860P	N/A	N/A	*Escherichia coli* derived from ATCC® 51755™
0861P	0861K	0861L	*Escherichia coli* derived from NCTC 12900
0864P	0864K	0864L	*Streptococcus agalactiae* derived from ATCC® 12401™
0865P	0865K	N/A	*Streptococcus pneumoniae* derived from ATCC® 10015™
0866P	0866K	N/A	*Nocardia brasiliensis* derived from ATCC® 19296™
0867P	0867K	N/A	*Veillonella parvula* derived from ATCC® 10790™
0868P	0868K	0868L	*Oligella ureolytica* derived from ATCC® 43534™
0869P	0869K	N/A	*Escherichia coli* derived from ATCC® 51446™
0870P	0870K	0870L	*Aeromonas hydrophila* derived from ATCC® 7966™
0871P	0871K	0871L	*Geobacillus stearothermophilus* derived from ATCC® 7953™
0872P	0872K	0872L	*Geobacillus stearothermophilus* derived from ATCC® 12980™
0879P	0879K	0879L	*Providencia stuartii* derived from ATCC® 49809™
0880P	0880K	N/A	*Pseudomonas mosselii* derived from ATCC® 49838™
0881P	0881K	N/A	*Staphylococcus saprophyticus* derived from ATCC® 49907™
0883P	0883K	0883L	*Paenibacillus polymyxa* derived from ATCC® 842™
0884P	N/A	N/A	*Corynebacterium pseudodiphtheriticum* derived from ATCC® 10701™
0885P	0885K	0885L	*Lactobacillus acidophilus* derived from ATCC® 314™

0889P	N/A	0889L	*Staphylococcus aureus* subsp. *aureus* derived from ATCC® 33592™
0890P	0890K	0890L	*Salmonella enterica* subsp. *enterica* serovar Abony derived from NCTC 6017
0891P	0891K	0891L	*Trichophyton tonsurans* derived from ATCC® 28942™
0893P	0893K	0893L	*Microsporum gypseum* derived from ATCC® 24102™
0894P	0894K	0894L	*Microsporum canis* derived from ATCC® 36299™
0895P	0895K	N/A	*Enterococcus gallinarum* derived from ATCC® 49573™
0896P	0896K	0896L	*Candida albicans* derived from ATCC® 2091™
0897P	0897K	N/A	*Candida tropicalis* derived from ATCC® 9968™
0900P	0900K	0900L	*Saccharomyces cerevisiae* derived from ATCC® 9080™
0901P	0901K	0901L	*Salmonella enterica* subsp. *arizonae* derived from ATCC® 13314™
0902P	0902K	0902L	*Salmonella enterica* subsp. *enterica* serovar Choleraesuis derived from ATCC® 10708™
0906P	0906K	0906L	*Staphylococcus aureus* subsp. *aureus* derived from ATCC® 29737™
0907P	0907K	0907L	*Staphylococcus pseudintermedius* derived from ATCC® 49444™
0909P	0909K	0909L	*Yersinia enterocolitica* subsp. *enterocolitica* derived from ATCC® 27729™
0910P	0910K	0910L	*Aeromonas hydrophila* derived from ATCC® 35654™
0911P	0911K	0911L	*Alcaligenes faecalis* subsp. *faecalis* derived from ATCC® 35655™
0912P	0912K	0912L	*Porphyromonas gingivalis* derived from ATCC® 33277™
0919P	0919K	0919L	*Haemophilus influenzae* derived from ATCC® 49766™
0936P	0936K	N/A	*Eggerthella lenta* derived from ATCC® 43055™
0937P	N/A	N/A	*Staphylococcus aureus* subsp. *aureus* derived from ATCC® 49476™
0938P	0938K	0938L	*Yersinia enterocolitica* subsp. *enterocolitica* derived from ATCC® 9610™
0939P	0939K	N/A	*Schaalia odontolytica* derived from ATCC® 17929™
0940P	0940K	0940L	*Bacteroides fragilis* derived from ATCC® 23745™
0942P	0942K	0942L	*Klebsiella pneumoniae* subsp. *pneumoniae* derived from ATCC® 35657™
0944P	0944K	0944L	*Proteus mirabilis* derived from ATCC® 35659™
0945P	0945K	N/A	*Staphylococcus saprophyticus* derived from ATCC® 49453™
0946P	0946K	N/A	*Staphylococcus warneri* derived from ATCC® 49454™
0947P	0947K	0947L	*Streptococcus pneumoniae* derived from ATCC® 49619™
0948P	N/A	N/A	*Sphingobacterium multivorum* derived from ATCC® 35656™
0950P	0950K	N/A	*Yarrowia lipolytica* derived from ATCC® 9773™
0951P	0951K	0951L	*Moraxella catarrhalis* derived from ATCC® 25238™
0952P	0952K	N/A	*Neisseria gonorrhoeae* derived from ATCC® 49981™
0953P	0953K	0953L	*Bacillus atrophaeus* derived from ATCC® 9372™
0957P	0957K	0957L	*Klebsiella pneumoniae* subsp. *pneumoniae* derived from ATCC® 33495™
0958P	N/A	N/A	*Parvimonas micra* derived from ATCC® 33270™
0959P	0959K	0959L	*Enterococcus faecalis* derived from ATCC® 51299™
0963P	0963K	0963L	*Staphylococcus capitis* subsp. *capitis* derived from ATCC® 35661™
0965P	0965K	N/A	*Corynebacterium pseudodiphtheriticum* derived from ATCC® 10700™
0967P	0967K	0967L	*Streptococcus dysgalactiae* subsp. *equisimilis* derived from ATCC® 35666™
0968P	0968K	0968L	*Enterococcus faecium* derived from ATCC® 35667™
0969P	0969K	0969L	*Streptococcus mutans* derived from ATCC® 35668™
0971P	0971K	0971L	*Elizabethkingia meningoseptica* derived from ATCC® 13253™
0973P	0973K	0973L	*Acinetobacter lwoffii* derived from ATCC® 17925™
0975P	0975K	0975L	*Pseudomonas aeruginosa* derived from ATCC® 35032™
0976P	0976K	N/A	*Staphylococcus epidermidis* derived from ATCC® 49461™
0978P	0978K	0978L	*Streptococcus species* derived from ATCC® 12392™
0979P	0979K	0979L	*Streptococcus pyogenes*, (A,3) derived from ATCC® 12384™
0980P	0980K	0980L	*Lactococcus lactis* derived from ATCC® 49032™

0981P	0981K	N/A	*Candida albicans* derived from ATCC® 66027™
0982P	0982K	0982L	*Candida kefyr* derived from ATCC® 66028™
0983P	0983K	0983L	*Candida tropicalis* derived from ATCC® 66029™
0984P	0984K	N/A	*Cryptococcus albidus* derived from ATCC® 66030™
0985P	0985K	0985L	*Cryptococcus neoformans* derived from ATCC® 66031™
0986P	0986K	0986L	*Candida glabrata* derived from ATCC® 66032™
0987P	0987K	N/A	*Cryptococcus uniguttulatus* derived from ATCC® 66033™
0989P	0989K	0989L	*Lacticaseibacillus rhamnosus* derived from ATCC® 9595™
0990P	0990K	N/A	*Kluyveromyces marxianus* derived from ATCC® 2512™
0991P	0991K	N/A	*Papiliotrema laurentii* derived from ATCC® 66036™
0992P	0992K	0992L	*Candida glabrata* derived from ATCC® 2001™
0993P	0993K	0993L	*Haemophilus influenzae* derived from ATCC® 35056™
0994P	0994K	0994L	*Streptococcus pyogenes* derived from ATCC® 49399™
0995P	0995K	0995L	*Mycobacterium gordonae* derived from ATCC® 14470™
0998P	0998K	0998L	*Bacillus cereus* derived from ATCC® 10876™
0999P	0999K	0999L	*Bacillus paranthracis* derived from ATCC® 13061™
01000P	01000K	01000L	*Enterococcus faecium* derived from ATCC® 700221™
01003P	01003K	01003L	*Legionella longbeachae* derived from ATCC® 33462™
01005P	01005K	01005L	*Klebsiella pneumoniae* derived from ATCC® BAA-1705™
01006P	01006K	01006L	*Klebsiella pneumoniae* derived from ATCC® BAA-1706™
01007P	01007K	01007L	*Staphylococcus aureus* derived from ATCC® BAA-1708™
01008P	01008K	01008L	*Bacillus badius* derived from ATCC® 14574™
01009P	01009K	01009L	*Pseudomonas aeruginosa* derived from ATCC® 9721™
01010P	01010K	01010L	*Pseudomonas aeruginosa* derived from ATCC® BAA-1744™
01011P	01011K	01011L	*Zygosaccharomyces parabailii* derived from ATCC® MYA-4549™
01012P	01012K	01012L	*Hanseniaspora valbyensis* derived from ATCC® 58370™
01013P	01013K	N/A	*Sporidiobolus salmonicolor* derived from ATCC® MYA-4550™
01018P	01018K	N/A	*Enterobacter hormaechei* subsp. *steigerwaltii* derived from ATCC® BAA-1143™
01019P	01019K	01019L	*Klebsiella pneumoniae* derived from ATCC® BAA-1144™
01020P	01020K	N/A	*Stenotrophomonas maltophilia* derived from ATCC® 13636™
01021P	01021K	01021L	*Aspergillus fumigatus* derived from ATCC® 204305™
01022P	01022K	N/A	*Staphylococcus aureus* subsp. *aureus* derived from ATCC® 700698™
01023P	01023K	01023L	*Campylobacter coli* derived from ATCC® 33559™
01024P	01024K	N/A	*Haemophilus influenzae* derived from NCTC 8468
01025P	01025K	01025L	*Bifidobacterium bifidum* derived from ATCC® 11863™
01035P	01035K	01035L	*Staphylococcus saprophyticus* derived from ATCC® 35552™
01036P	01036K	01036L	*Candida tropicalis* derived from ATCC® 1369™
01037P	01037K	N/A	*Escherichia coli* derived from ATCC® 15597™
01038P	N/A	01038L	*Arcanobacterium haemolyticum* derived from ATCC® BAA-1784™
01039P	01039K	01039L	*Corynebacterium urealyticum* derived from ATCC® 43044™
01040P	01040K	N/A	*Corynebacterium renale* derived from ATCC® BAA-1785™
01041P	N/A	N/A	*Microbacterium paraoxydans* derived from ATCC® BAA-1818™
01042P	01042K	N/A	*Microbacterium liquefaciens* derived from ATCC® BAA-1819™
01044P	01044K	N/A	*Curtobacterium pusillum* derived from ATCC® 19096™
01045P	01045K	01045L	*Salmonella enterica* subsp. *diarizonae* derived from ATCC® 29934™
01046P	01046K	01046L	*Cellulosimicrobium cellulans* derived from ATCC® BAA-1816™
01047P	01047K	01047L	*Cellulosimicrobium cellulans* derived from ATCC® BAA-1817™
01048P	01048K	01048L	*Clostridioides difficile* derived from ATCC® BAA-1870™

01049P	01049K	01049L	*Mycobacterium haemophilum* derived from ATCC® 29548™
01050P	01050K	N/A	*Escherichia coli* derived from ATCC® 10799™
01051P	01051K	N/A	*Cryptococcus gattii* derived from ATCC® MYA-4560™
01052P	01052K	01052L	*Enterococcus faecium* derived from ATCC® 6057™
N/A	N/A	01053L	*Mycoplasma bovis* derived from ATCC® 25025™
01054P	01054K	01054L	*Salmonella enterica* subsp. *diarizonae* derived from ATCC® 12325™
01055P	01055K	01055L	*Staphylococcus aureus* subsp. *aureus* derived from ATCC® BAA-44™
01056P	01056K	01056L	*Salmonella enterica* subsp. *enterica* serovar Bispebjerg derived from ATCC® 9842™
01057P	01057K	01057L	*Acinetobacter baumannii* derived from ATCC® BAA-1605™
01060P	01060K	01060L	*Klebsiella pneumoniae* derived from ATCC® BAA-2146™
01062P	01062K	01062L	*Escherichia coli* derived from NCTC 8622
01063P	01063K	01063L	*Cryptococcus gattii* (B) derived from ATCC® 34877™
01065P	01065K	01065L	*Staphylococcus aureus* derived from NCTC 12493
01066P	01066K	01066L	*Saccharomyces cerevisiae* derived from ATCC® 18824™
01068P	01068K	01068L	*Staphylococcus epidermidis* derived from ATCC® 51625™
01075P	01075K	01075L	*Pediococcus pentosaceus* derived from ATCC® 33316™
01076P	01076K	01076L	*Vibrio vulnificus* derived from ATCC® 27562™
01077P	01077K	01077L	*Streptococcus anginosus* derived from ATCC® 33397™
01078P	01078K	01078L	*Pseudomonas aeruginosa* derived from ATCC® 13388™
01081P	01081K	01081L	*Aureobasidium pullulans* var. *melanigenum* derived from ATCC® 15233™
01085P	01085K	01085L	*Escherichia coli* derived from NCTC 13351
01087P	01087K	01087L	*Salmonella enterica* subsp. *salamae* serotype Tranaroa derived from NCTC 10252
01088P	01088K	01088L	*Cronobacter sakazakii* derived from ATCC® 29544™
01089P	01089K	01089L	*Enterococcus faecalis* derived from ATCC® 51575™
01090P	01090K	01090L	*Lacticaseibacillus rhamnosus* derived from ATCC® BAA-3227™
01092P	01092K	N/A	*Bifidobacterium animalis* subsp. *animalis* derived from ATCC® 25527™
01094P	01094K	01094L	*Chaetomium globosum* derived from ATCC® 6205™
01095P	01095K	N/A	*Salmonella enterica* subsp. *enterica* serovar Newport derived from ATCC® 6962™
01097P	01097K	01097L	*Escherichia coli* (O145:NM) derived from CDC 99-3311
01098P	01098K	01098L	*Escherichia coli* (O45:H2) derived from CDC 00-3039
01099P	01099K	01099L	*Escherichia coli* (O121:H19) derived from CDC 02-3211
01100P	01100K	01100L	*Escherichia coli* (O26:H11) derived from CDC 03-3014
01101P	01101K	01101L	*Escherichia coli* (O103:H11) derived from CDC 06-3008
01102P	01102K	01102L	*Escherichia coli* (O111:H8) derived from CDC 2010C-3114
01103P	N/A	01103L	*Salmonella enterica* subsp. *enterica* serovar Enteritidis derived from ATCC® 49223™
01104P	N/A	N/A	*Escherichia coli* (O104:H4) derived from ATCC® BAA-2326™
01105P	N/A	01105L	*Enterobacter cloacae* derived from NCTC 13464
01108P	01108K	01108L	*Corynebacterium jeikeium* derived from ATCC® 43734™
01110P	01110K	01110L	*Methylorubrum extorquens* derived from ATCC® BAA-2500™
01111P	01111K	01111L	*Enterobacter cloacae* derived from NCTC 13406
01112P	01112K	01112L	*Klebsiella pneumoniae* derived from NCTC 13440
01113P	01113K	01113L	*Escherichia coli* derived from ATCC® BAA-2469™
01117P	01117K	N/A	*Klebsiella pneumoniae* derived from NCTC 13438
01122P	01122K	01122L	*Staphylococcus aureus* derived from ATCC® BAA-2312™
01130P	01130K	01130L	*Aspergillus brasiliensis* derived from ATCC® 9642™
01132P	N/A	01132L	*Campylobacter lari* derived from ATCC® 35221™
01133P	01133K	01133L	*Penicillium citrinum* derived from ATCC® 9849™
01134P	01134K	01134L	*Alternaria species* derived from ATCC® 20084™

01136P	01136K	01136L	*Escherichia coli* derived from NCTC 13476
01139P	01139K	01139L	*Candida dubliniensis* derived from NCPF 3949
01140P	01140K	01140L	*Aspergillus caesiellus* derived from ATCC® 42693™
01141P	01141K	01141L	*Wallemia mellicola* derived from ATCC® 42694™
01142P	01142K	01142L	*Mucor racemosus* derived from ATCC® 42647™
01143P	N/A	N/A	*Enterococcus faecium* derived from NCTC 12204
01144P	01144K	01144L	*Lactobacillus plantarum* subsp. *plantarum* derived from ATCC® 14917™
01148P	01148K	01148L	*Klebsiella pneumoniae* derived from NCTC 13442
01149P	01149K	01149L	*Mycobacterium avium* derived from ATCC® 700898™
01150P	01150K	01150L	*Staphylococcus lugdunensis* derived from NCTC 7990
01152P	01152K	N/A	*Proteus vulgaris* derived from ATCC® 29905™
01159P	01159K	N/A	*Ralstonia pickettii* derived from ATCC® 27511™
01160P	01160K	01160L	*Eurotium rubrum* derived from ATCC® 42690™
01167P	01167K	N/A	*Brevundimonas vesicularis* derived from ATCC® 11426™
01169P	01169K	01169L	*Citrobacter freundii* derived from ATCC® 8454™
01170P	01170K	N/A	*Salmonella enterica* subsp. *enterica* serovar Paratyphi B derived from ATCC® 8759™
01171P	01171K	01171L	*Haemophilus parainfluenzae* derived from ATCC® 9796™
01172P	01172K	01172L	*Cryptococcus neoformans* derived from ATCC® 13690™
01173P	01173K	01173L	*Cryptococcus neoformans* (D) derived from ATCC® 36556™
01175P	01175K	01175L	*Aggregatibacter actinomycetemcomitans* (b) derived from ATCC® 29522™
01181P	01181K	01181L	*Methylobacterium organophilum* derived from ATCC® 27886™
01182P	01182K	01182L	*Aspergillus flavus* derived from ATCC® 9643™
01184P	01184K	01184L	*Deinococcus radiophilus* derived from ATCC® 27603™
01185P	01185K	01185L	*Candida kefyr* derived from ATCC® 8553™
01186P	01186K	01186L	*Chryseobacterium indologenes* derived from ATCC® 29897™
01187P	01187K	N/A	*Prevotella intermedia* derived from ATCC® 25611™
01188P	01188K	N/A	*Clostridium sporogenes* derived from ATCC® 9690™
01189P	01189K	01189L	*Staphylococcus epidermidis* derived from ATCC® 35984™
01190P	01190K	01190L	*Listeria monocytogenes* derived from ATCC® 35152™
01192P	01192K	01192L	*Escherichia coli* derived from NCTC 13216
01193P	N/A	01193L	*Escherichia coli* derived from NCTC 13167
01195P	01195K	01195L	*Legionella anisa* derived from ATCC® 35292™
01196P	01196K	01196L	*Clostridium bifermentans* derived from NCTC 506
01197P	01197K	01197L	*Ralstonia pickettii* derived from ATCC® 700591™
01200P	01200K	01200L	*Penicillium rubens* derived from ATCC® 11709™
01202P	01202K	01202L	*Enterobacter cloacae* derived from ATCC® BAA-2341™
01204P	01204K	N/A	*Escherichia coli* (O157:H7) derived from ATCC® 43890™
01209P	01209K	01209L	*Shigella boydii* (2) derived from ATCC® 8700™
01213P	N/A	N/A	*Yersinia enterocolitica* derived from NCTC 11174
01214P	01214K	01214L	*Vibrio vulnificus* derived from ATCC® 29307™
01215P	01215K	01215L	*Proteus mirabilis* derived from ATCC® 29906™
01229P	01229K	01229L	*Escherichia coli* ATCC® BAA-2523™
01233P	01233K	01233L	*Escherichia coli derived* from ATCC® 51739™
01234P	01234K	01234L	*Streptococcus agalactiae* (III) derived from ATCC® BAA-22™
01235P	01235K	N/A	*Shigella dysenteriae* derived from ATCC® 13313™
01236P	01236K	01236L	*Vibrio parahaemolyticus* (o2:k3) derived from NCTC 10885
01237P	01237K	N/A	*Campylobacter fetus* subsp. *fetus* derived from ATCC® 27374™
01238P	N/A	01238L	*Talaromyces pinophilus* derived from ATCC® 11797™

01242P	01242K	N/A	*Escherichia coli* derived from ATCC® BAA-2452™
01244P	01244K	01244L	*Escherichia coli* derived from NCTC 13846
01245P	N/A	N/A	*Klebsiella pneumoniae* derived from NCTC 13439
01247P	N/A	N/A	*Klebsiella pneumonia* subsp. *pneumoniae* derived from ATCC® BAA-2524™
01256P	01256K	01256L	*Candida auris* derived from CDC B11903
01257P	01257K	01257L	*Salmonella enterica* subsp. *enterica* serotype Nottingham derived from NCTC7832
01259P	01259K	01259L	*Escherichia coli* derived from CDC AR-0346
01260P	01260K	01260L	*Enterococcus faecium* derived ATCC® 8459™
01261P	01261K	01261L	*Escherichia coli* derived from ATCC® BAA-1429™
01262P	01262K	01262L	*Levilactobacillus brevis* derived from ATCC® 14869™
01263P	01263K	01263L	*Klebsiella pneumoniae* derived from ATCC® BAA-2814™
01264P	01264K	01264L	*Aspergillus terreus* derived from ATCC® 1012™
01265P	01265K	01265L	*Escherichia coli* derived from NCTC 13353
01266P	01266K	01266L	*Acinetobacter baumannii* derived from NCTC 13304
01269P	01269K	01269L	*Burkholderia cenocepacia* derived from ATCC® BAA-245™
01270P	01270K	01270L	*Burkholderia multivorans* derived from ATCC® BAA-247™
01272P	N/A	01272L	*Lactobacillus johnsonii* derived from ATCC® 11506™
01290P	01290K	N/A	*Pseudomonas aeruginosa* derived from ATCC® BAA-3144™
0158MRSA	N/A	N/A	*Staphylococcus aureus* subsp. *aureus* derived from ATCC® 700699™ (MRSA Live Culture Positive Control)
0360MSSA	N/A	N/A	*Staphylococcus aureus* subsp. *aureus* derived from ATCC® 25923™ (MSSA Live Culture Positive Control)
0371MSSE	N/A	N/A	*Staphylococcus epidermidis* derived from ATCC® 12228™ (MSSE Live Culture Positive Control)

QC Sets and Panels: KWIK-STIK

The table below lists all catalog numbers for QC Sets and Panels that consist of multiple KWIK-STIKs. The 5XXX catalog numbers consist of 2 KWIK-STIKs of each microorganism listed. The 8XXX catalog numbers are similar but may contain quantities of KWIK-STIKs other than two.

Catalog Number	Analytes
5002P	CLSI® MIC QC Set without *Klebsiella pneumoniae* *Enterococcus faecalis* derived from ATCC® 29212™ *Escherichia coli* derived from ATCC® 25922™ *Escherichia coli* derived from ATCC® 35218™ *Pseudomonas aeruginosa* derived from ATCC® 27853™ *Staphylococcus aureus* subsp. *aureus* derived from ATCC® 29213™
5027P	CLSI® M22 Chocolate Agar QC Set *Haemophilus influenzae* derived from ATCC® 10211™ *Neisseria gonorrhoeae* derived from ATCC® 43069™
5062P	Dried Overnight – Gram Negative Panel QC Set *Escherichia coli* derived from ATCC® 25922™ *Aggregatibacter aphrophilus* derived from ATCC® 49146™ *Klebsiella oxytoca* derived from ATCC® 49131™ *Klebsiella quasipneumoniae* derived from ATCC® 700603™ *Proteus vulgaris* derived from ATCC® 49132™ *Pseudomonas aeruginosa* derived from ATCC® 27853™
5063P	Dried Overnight – Gram Positive Panel QC Set *Enterococcus faecalis* derived from ATCC® 29212™ *Escherichia coli* derived from ATCC® 35218™ *Micrococcus luteus* derived from ATCC® 49732™ *Staphylococcus aureus* subsp. *aureus* derived from ATCC® 29213™ *Staphylococcus aureus* subsp. *aureus* derived from ATCC® 43300™ *Staphylococcus aureus* subsp. *aureus* derived from ATCC® BAA-977™ *Streptococcus gallolyticus* derived from ATCC® 49147™
5065P	ANA (3 Strains) QC Set *Bacteroides uniformis* derived from ATCC® 8492™ *Paeniclostridium sordellii* derived from ATCC® 9714™ *Parabacteroides distasonis* derived from ATCC® 8503™
5066P	NH (4 Strains) QC Set *Aggregatibacter aphrophilus* derived from ATCC® 49146™ *Haemophilus influenzae* derived from ATCC® 9006™ *Moraxella catarrhalis* derived from ATCC® 8176™ *Oligella urethralis* derived from ATCC® 17960™
5107P	Non-Fastidious Gram Negative (5 Strains) QC Set *Enterobacter cloacae* subsp. *cloacae* derived from ATCC® 13047™ *Escherichia coli* derived from ATCC® 25922™ *Klebsiella pneumoniae* subsp. *pneumoniae* derived from ATCC® 35657™ *Proteus mirabilis* derived from ATCC® 35659™ *Stenotrophomonas maltophilia* derived from ATCC® 51331™
5112P	AST-GP (4 Strains) QC Set *Enterococcus faecalis* derived from ATCC® 29212™ *Enterococcus faecalis* derived from ATCC® 51299™ *Escherichia coli* derived from ATCC® 35218™ *Staphylococcus aureus* subsp. *aureus* derived from ATCC® 29213™
5184P	AST-YS QC Set *Candida parapsilosis* derived from ATCC® 22019™ *Issatchenkia orientalis* derived from ATCC® 6258™
5187P	AST-GP (5 Strains) QC Set *Enterococcus faecalis* derived from ATCC® 29212™ *Staphylococcus aureus* subsp. *aureus* derived from ATCC® 29213™ *Staphylococcus aureus* subsp. *aureus* derived from ATCC® BAA-976™ *Staphylococcus aureus* subsp. *aureus* derived from ATCC® BAA-977™ *Staphylococcus aureus* derived from ATCC® BAA-1026™

5189P	AST-GN QC Set with Klebsiella *Escherichia coli* derived from ATCC® 25922™ *Escherichia coli* derived from ATCC® 35218™ *Klebsiella quasipneumoniae* derived from ATCC® 700603™ *Pseudomonas aeruginosa* derived from ATCC® 27853™
5190P	ANC Comprehensive QC Set *Bacteroides ovatus* derived from ATCC® BAA-1296™ *Phocaeicola vulgatus* derived from ATCC® 8482™ *Clostridium perfringens* derived from ATCC® 13124™ *Clostridium septicum* derived from ATCC® 12464™ *Paeniclostridium sordellii* derived from ATCC® 9714™ *Corynebacterium striatum* derived from ATCC® BAA-1293™ *Parabacteroides distasonis* derived from ATCC® BAA-1295™
5191P	BCL Comprehensive QC Set *Aneurinibacillus aneurinilyticus* derived from ATCC® 11376™ *Bacillus badius* derived from ATCC® 14574™ *Nialla circulans* derived from ATCC® 61™ *Priestia megaterium* derived from ATCC® 14581™ *Bacillus pumilus* derived from ATCC® BAA-1434™ *Brevibacillus agri* derived from ATCC® 51663™ *Brevibacillus laterosporus* derived from ATCC® 64™ *Klebsiella aerogenes* derived from ATCC® 13048™ *Paenibacillus validus* derived from ATCC® 29948™ *Paenibacillus macerans* derived from ATCC® 8509™ *Paenibacillus polymyxa* derived from ATCC® 7070™ *Staphylococcus epidermidis* derived from ATCC® 12228™
5192P	GN Comprehensive QC Set *Acinetobacter baumannii* derived from ATCC® BAA-747™ *Elizabethkingia meningoseptica* derived from ATCC® 13253™ *Enterobacter hormaechei* derived from ATCC® 700323™ *Escherichia coli* derived from ATCC® 25922™ *Klebsiella oxytoca* derived from ATCC® 700324™ *Brucella anthropi* derived from ATCC® BAA-749™ *Proteus vulgaris* derived from ATCC® 6380™ *Pseudomonas aeruginosa* derived from ATCC® 9721™ *Pseudomonas aeruginosa* derived from ATCC® BAA-1744™ *Stenotrophomonas maltophilia* derived from ATCC® 17666™
5193P	GP Comprehensive QC Set *Enterococcus casseliflavus* derived from ATCC® 700327™ *Enterococcus saccharolyticus* derived from ATCC® 43076™ *Kocuria kristinae* derived from ATCC® BAA-752™ *Listeria monocytogenes* derived from ATCC® BAA-751™ *Staphylococcus saprophyticus* derived from ATCC® BAA-750™ *Mammaliicoccus sciuri* derived from ATCC® 29061™ *Streptococcus equi* subsp. *zooepidemicus* derived from ATCC® 43079™ *Streptococcus pneumoniae* derived from ATCC® 49619™ *Streptococcus thermophilus* derived from ATCC® 19258™
5194P	NH Comprehensive QC Set *Aggregatibacter aphrophilus* derived from ATCC® 33389™ *Eikenella corrodens* derived from ATCC® BAA-1152™ *Haemophilus influenzae* derived from ATCC® 9007™ *Klebsiella aerogenes* derived from ATCC® 13048™ *Neisseria gonorrhoeae* derived from ATCC® 19424™ *Neisseria lactamica* derived from ATCC® 23970™ *Oligella urethralis* derived from ATCC® 17960™ *Paenibacillus polymyxa* derived from ATCC® 7070™ *Staphylococcus epidermidis* derived from ATCC® 12228™

5195P	YST Comprehensive QC Set *Candida albicans* derived from ATCC® 14053™ *Candida glabrata* derived from ATCC® MYA-2950™ *Candida lusitaniae* derived from ATCC® 34449™ *Candida utilis* derived from ATCC® 9950™ *Hanseniaspora valbyensis* derived from ATCC® 58370™ *Oligella ureolytica* derived from ATCC® 43534™ *Prototheca wickerhamii* derived from ATCC® 16529™ *Staphylococcus epidermidis* derived from ATCC® 12228™ *Sporidiobolus salmonicolor* derived from ATCC® MYA-4550™ *Cutaneotrichosporon dermatis* derived from ATCC® 204094™ *Zygosaccharomyces parabailii* derived from ATCC® MYA-4549™
5209P	CBC QC Set *Arcanobacterium haemolyticum* derived from ATCC® BAA-1784™ *Cellulosimicrobium cellulans* derived from ATCC® BAA-1816™ *Cellulosimicrobium cellulans* derived from ATCC® BAA-1817™ *Corynebacterium renale* derived from ATCC® BAA-1785™ *Corynebacterium urealyticum* derived from ATCC® 43044™ *Curtobacterium pusillum* derived from ATCC® 19096™ *Klebsiella oxytoca* derived from ATCC® 700324™ *Microbacterium liquefaciens* derived from ATCC® BAA-1819™ *Microbacterium paraoxydans* derived from ATCC® BAA-1818™ *Microbacterium testaceum* derived from ATCC® 15829™ *Brucella anthropi* derived from ATCC® BAA-749™
5214P	GN Streamlined QC Set *Enterobacter hormaechei* derived from ATCC® 700323™ *Stenotrophomonas maltophilia* derived from ATCC® 17666™
5215P	GP Streamlined QC Set *Enterococcus casseliflavus* derived from ATCC® 700327™ *Staphylococcus saprophyticus* derived from ATCC® BAA-750™
5216P	ANC Streamlined QC Set *Bacteroides ovatus* derived from ATCC® BAA-1296™ *Clostridium septicum* derived from ATCC® 12464™
5220P	AST-GP (6 Strains) QC Set *Enterococcus faecalis* derived from ATCC® 29212™ *Enterococcus faecalis* derived from ATCC® 51299™ *Staphylococcus aureus* subsp. *aureus* derived from ATCC® 29213™ *Staphylococcus aureus* subsp. *aureus* derived from ATCC® BAA-976™ *Staphylococcus aureus* subsp. *aureus* derived from ATCC® BAA-977™ *Staphylococcus aureus* derived from ATCC® BAA-1026™
5225P	Gram-Positive Blood Culture Control Panel (Live Culture) *Enterococcus faecalis* derived from NCTC 13379 *Enterococcus faecium* derived from NCTC 12204 *Listeria monocytogenes* derived from NCTC 10890 *Staphylococcus aureus* derived from NCTC 12493 *Staphylococcus lugdunensis* derived from NCTC 7990 *Streptococcus agalactiae* derived from NCTC 8017 *Streptococcus anginosus* derived from NCTC 10713 *Staphylococcus epidermidis* derived from NCIMB 8853 *Streptococcus pneumoniae* derived from NCIMB 13286 *Streptococcus pyogenes* derived from NCIMB 13285
5246P	Anaerobe Identification Panel *Bacteroides fragilis* derived from NCTC 9343 *Clostridioides difficile* derived from ATCC® 9689™ *Cutibacterium acnes* derived from ATCC® 6919™ *Fusobacterium necrophorum* subsp. *necrophorum* derived from ATCC® 25286™ *Peptostreptococcus anaerobius* derived from ATCC® 27337™
5247P	Gram Negative Identification Panel *Citrobacter freundii* derived from NCTC 9750 *Escherichia coli* derived from ATCC® 11775™ *Klebsiella pneumoniae* subsp. *pneumoniae* derived from ATCC® 13883™ *Pseudomonas aeruginosa* derived from NCIMB 12469 *Yersinia enterocolitica* derived from NCTC 11174

5248P	Gram Positive Identification Panel *Corynebacterium jeikeium* derived from ATCC® 43734™ *Enterococcus faecalis* derived from NCTC 775 *Micrococcus luteus* derived from ATCC® 4698™ *Staphylococcus epidermidis* derived from NCIMB 8853 *Streptococcus pneumoniae* derived from NCIMB 13286
5252P	Yeast Identification Panel *Candida albicans* derived from NCYC 1363 *Candida glabrata* derived from ATCC® 2001™ *Candida parapsilosis* derived from ATCC® 22019™ *Cryptococcus gattii* derived from ATCC® MYA-4560™ *Saccharomyces cerevisiae* derived from NCYC 79
5260P	AST-GN (7 Strains) QC Set *Escherichia coli* derived from ATCC® 25922™ *Escherichia coli* derived from ATCC® 35218™ *Klebsiella pneumoniae* derived from ATCC® BAA-1705™ *Klebsiella pneumoniae* derived from ATCC® BAA-2814™ *Klebsiella quasipneumoniae* derived from ATCC® 700603™ *Pseudomonas aeruginosa* derived from ATCC® 27853™ *Pseudomonas aeruginosa* derived from ATCC® BAA-3144™
8164	GBS QC Set (Live Culture) *Streptococcus agalactiae* derived from ATCC® 12401™ *Lactobacillus acidophilus* derived from ATCC® 4356™
8171	*C. difficile* QC Set (Live Culture) *Clostridioides difficile* derived from ATCC® 9689™ *Clostridioides difficile* derived from ATCC® 700057™
8173	GBS Verification Panel (Live Culture) *Streptococcus agalactiae* derived from ATCC® 12386™ *Streptococcus agalactiae* (B,3) derived from ATCC® 12403™ *Streptococcus anginosus* derived from NCTC 10713 *Streptococcus dysgalactiae* subsp. *equisimilis* derived from ATCC® 12388™ *Streptococcus pyogenes* derived from ATCC® 19615™ *Streptococcus agalactiae* (III) derived from ATCC® BAA-22™
8174	MRSA Organism Set (Live Culture) *Staphylococcus aureus* subsp. *aureus* derived from ATCC® 33591™ *Staphylococcus aureus* subsp. *aureus* derived from ATCC® 700699™ *Staphylococcus aureus* subsp. *aureus* derived from ATCC® 43300™ *Staphylococcus aureus* subsp. *aureus* derived from ATCC® 700698™ *Staphylococcus aureus* derived from NCTC 12493 *Staphylococcus aureus* subsp. *aureus* derived from NCTC 12973 *Staphylococcus aureus* subsp. *aureus* derived from ATCC® 6538™ *Staphylococcus aureus* subsp. *aureus* derived from ATCC® 29213™ *Staphylococcus aureus* subsp. *aureus* derived from ATCC® 33862™ *Staphylococcus epidermidis* derived from ATCC® 51625™
8178	SA Organism Set (Live Culture) *Staphylococcus aureus* derived from BD 2952 *Staphylococcus aureus* derived from BD 797 *Staphylococcus aureus* derived from BD 2937 *Staphylococcus aureus* derived from BD 11 *Staphylococcus aureus* derived from BD 2800 *Staphylococcus aureus* derived from BD 131 *Staphylococcus aureus* derived from BD 1 *Staphylococcus aureus* derived from BD 9 *Staphylococcus aureus* derived from BD 16 *Staphylococcus aureus* derived from BD 19 *Staphylococcus aureus* derived from BD 3097 *Staphylococcus aureus* subsp. *aureus* derived from ATCC® 29213™ *Staphylococcus aureus* derived from ATCC® BAA-2312™ *Staphylococcus epidermidis* derived from ATCC® 14990™

8179	Enteric Bacterial Verification Panel (Live Culture) *Campylobacter jejuni* subsp. *jejuni* derived from ATCC® 33291™ *Campylobacter coli* derived from ATCC® 33559™ *Salmonella enterica* subsp. *enterica* serovar Typhimurium derived from ATCC® 14028™ *Salmonella bongori* derived from ATCC® 43975™ *Shigella sonnei* derived from ATCC® 9290™ *Shigella flexneri* derived from ATCC® 12022™ *Escherichia coli* (O157:H7) derived from ATCC® 43890™ *Escherichia coli* (O111:H8) derived from CDC 2010C-3114