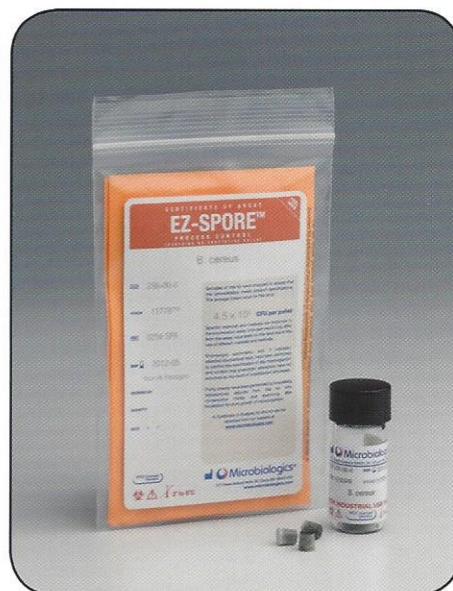
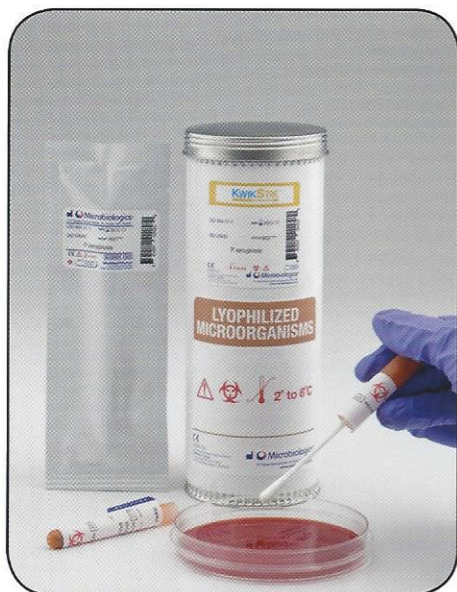


CATALOGO CEPPI MICROBICI



**Microrganismi
per il controllo di qualità**



Biolife



EZ-Product Reference Guide

Qualitative Products, QC Microbiology Slides, Parasite Suspensions, Molecular Standards & Reagents

Product	Packaging/Contents	Enumeration	Applications/Specifications
LYFO DISK™	Vial of 6 microorganism pellets. Also available in QC Sets and Panels.	Non-Enumerated	<ul style="list-style-type: none"> • Culture Purposes • QC ID Instruments • QC Antimicrobial Susceptibility Tests
KWIK-STIK™	Each self-contained unit includes a microorganism pellet, hydrating fluid and a swab. Packaged in a foil pouch. Available in packs of 2 or 6. Also available in QC Sets and Panels.	Non-Enumerated	<ul style="list-style-type: none"> • Culture Purposes • QC ID Instruments • QC Antimicrobial Susceptibility Tests
KWIK-STIK™ Plus (2 Passages)	5 KWIK-STIK™ units. Each self-contained unit includes a microorganism pellet, hydrating fluid and a swab. Packaged in a foil pouch.	Non-Enumerated	<ul style="list-style-type: none"> • Culture Purposes • QC ID Instruments • Pharmacopeial Tests • Two Passages • Provides More Subcultures
Microbiology QC Slides	Box of 10 slides.	Non-Enumerated	<ul style="list-style-type: none"> • Microscopic Examinations • Contains Droplets of an Air-Dried, Fixed Preserved Organism, or a Smear Containing a Designated Organism Population
Lab-Elite™ CRM	1 KWIK-STIK™ unit. A self-contained unit that includes a microorganism pellet, hydrating fluid and a swab. Packaged in foil pouch.	Non-Enumerated	<ul style="list-style-type: none"> • Validation of New Methods or Instruments • QC of Research • ISO 17025 Laboratories • 1 Passage • 100% Traceable • Certificate of Analysis
Parasite Suspensions	Vial containing 1 ml of a particular parasite species.	Non-Enumerated	<ul style="list-style-type: none"> • Quality Control & Proficiency of Diagnostic Medical Parasitology Testing • Teaching Purposes in Education Settings
Helix Elite™ Molecular Standards	Inactivated Controls Kit containing 5 unassayed microorganism pellets in individual vials. Packaged in a plastic container.	Unassayed	<ul style="list-style-type: none"> • Full Process Control Used for Extraction Through Detection • Sensitivity • Specificity • Validation & Verification • Assay Optimization • Training • Proficiency Testing • Lot-to-Lot Testing • Quality Control of Molecular Instruments
	Synthetic Nucleic Acids Kit containing 1 vial of dried synthetic DNA or RNA (approximately 100 reactions), 1 vial of molecular standard water for rehydration and Certificate of Analysis. Packaged in a plastic container.	Unassayed	<ul style="list-style-type: none"> • Amplification/Detection Control • Sensitivity • Specificity • Validation & Verification • Assay Optimization • Training • Proficiency Testing • Lot-to-Lot Testing • Quality Control of Molecular Instruments
	Genomic Extracts Kit containing 1 vial of Genomic DNA, 1 vial of molecular standard water for rehydration and Certificate of Analysis. Packaged in a plastic container.	At Least 10 ⁶ Copies	<ul style="list-style-type: none"> • Amplification/Detection Control • Sensitivity • Specificity • Validation & Verification • Assay Optimization • Training • Proficiency Testing • Lot-to-Lot Testing • Quality Control of Molecular Instruments • Not Intended for Clinical Use
UNEX Buffer	Bottle contains 100 ml of guanidine thiocyanate lysis buffer.	Unassayed	<ul style="list-style-type: none"> • Designed for preserving samples and nucleic acid extraction (UNEX) of DNA and RNA from viruses, bacteria and parasites • This product is not intended to diagnose, treat or prevent disease

Quantitative Products*

Product	Packaging/Contents	Enumeration	Applications/Specifications
Epower™	Vial of 10 microorganism pellets in re-sealable plastic bag.	Ranging from 10^2 to 10^8 CFU per pellet	<ul style="list-style-type: none"> • Applications Requiring a Specific CFU Range • Microbial Detection & Enumeration • Equipment Calibration • Verification & Validation • Bioburden Determination • Minimum Lethal Concentration • Lethality Studies • Disinfectant Testing • Internal Proficiency • Water Testing
Epower™ CRM	Vial of 10 microorganism pellets in re-sealable plastic bag.	Ranging from 10^2 to 10^8 CFU per pellet	<ul style="list-style-type: none"> • ISO 17025 Laboratories • Applications Requiring a Specific CFU Range • Microbial Detection & Enumeration • Equipment Calibration • Water Testing • Verification & Validation • Disinfectant Testing • Internal Proficiency • Bioburden Determination • Minimum Lethal Concentration • 1 Passage • Certificate of Analysis
EZ-FPC™	Vial of 10 microorganism pellets in re-sealable plastic bag.	<ul style="list-style-type: none"> • Qualitative: 10^2 CFU per pellet • Quantitative: 10^3 CFU per pellet 	<ul style="list-style-type: none"> • Qualitative & Quantitative Daily Food Process Controls • Enumeration Studies • Presence/Absence Testing • Internal Proficiency • Lethality Studies • Media QC • Statistical Process Charting
EZ-SPORE™	Vial of 10 microorganism pellets in re-sealable plastic bag.	10^4 CFU per pellet	<ul style="list-style-type: none"> • Daily Food Process Controls to Verify Spoilage Detection Methods
EZ-CFU™	Kit containing 2 vials of 10 microorganism pellets and 10 vials of hydrating fluid. Packaged in a plastic container.	Delivers 10-100 CFU per 0.1 ml	<ul style="list-style-type: none"> • Growth Promotion Testing • Microbial Limits Testing • Microbial Enumeration Testing • Validations • Requires a 1:10 Dilution • 30 Minute Stability • > 900 tests per Kit
EZ-CFU™ One Step	Kit containing 2 vials of 10 microorganism pellets and 10 vials of hydrating fluid. Packaged in a plastic container.	Delivers 10-100 CFU per 0.1 ml	<ul style="list-style-type: none"> • Growth Promotion Testing • Microbial Limits Testing • Microbial Enumeration Testing • Validations • No Dilution • 8 Hour Stability† • 190 Tests per Kit
EZ-Accu Shot™	Kit containing 5 vials of microorganism pellets (1 pellet per vial) and 5 vials of hydrating fluid. Packaged in a plastic container.	Delivers 10-100 CFU per 0.1 ml	<ul style="list-style-type: none"> • Growth Promotion Testing • Microbial Limits Testing • Microbial Enumeration Testing • Validations • Instant Dissolve • No Dilution • 8 Hour Stability† • 50 Tests per Kit
EZ-Accu Shot™ Select	Five compendial strains in one kit. Kit containing 5 vials of microorganism pellets (1 pellet per vial) and 5 vials of hydrating fluid. Packaged in a canister.	Delivers 10-100 CFU per 0.1 ml	<ul style="list-style-type: none"> • Growth Promotion Testing • Microbial Limits Testing • Microbial Enumeration Testing • 8 hour Stability† • 5 Different Compendial Strains in One Package • Instant Dissolve • No Dilution • 10 Tests for Each Microorganism per Kit
EZ-PEC™	Kit containing 2 vials of 10 microorganism pellets and 10 vials of hydrating fluid. Packaged in a plastic container.	Final concentration of 10^5 to 10^6 CFU per ml of product tested	<ul style="list-style-type: none"> • Antimicrobial Effectiveness & Preservative Efficacy Testing
EZ-Hydro Shot™ Multiple Strain Kit	Kit containing 9 vials total: 3 vials of 3 different microorganism pellets (1 pellet in each vial). Packaged in a plastic container.	Delivers 20-100 CFU per pellet	<ul style="list-style-type: none"> • Water Testing • Presence/Absence • Enumeration • Detection • Identification • Demonstration of Capability (DOC) • Environmental Testing • Instant Dissolve
EZ-Hydro Shot™ Individual Strain Kit	Kit containing 6 vials of lyophilized microorganism pellets (1 pellet per vial). Packaged in a plastic container.	Delivers 20-100 CFU per pellet	<ul style="list-style-type: none"> • Water Testing • Presence/Absence • Enumeration • Detection • Identification • Demonstration of Capability (DOC) • Environmental Testing • Instant Dissolve

*Quantitative products are not intended for clinical use.

†Exceptions to 8 hour stability are Microbiologics catalog numbers 0320Z, 0318Z & 0484A which must be used within 30 minutes of hydration.

Largest & Most Diverse Line of QC Microorganisms

Industry Reference Guide

Industry	Reference Stock Cultures					Enumerated Microorganism Preparations								QC Slides	Certified Reference Material		Molecular			Reagent	
	LYFO DISK™	KWIK-STIK™	QC Microorganism Set	Parasite Suspensions	KWIK-STIK™ Plus	Epower™	EZ-FPC™	EZ-SPORE™	EZ-CFU™	EZ-CFU™ One Step	EZ-Accu Shot™	EZ-Accu Shot™ Select	EZ-PEC™	EZ-Hydro Shot™	Microbiology QC Slides	Lab-Elite™ CRM	Epower™ CRM	Helix Elite™ Inactivated Controls	Helix Elite™ Synthetic Nucleic Acids	Helix Elite™ Genomic Extracts	UNEX Buffer
Clinical	•	•	•	•	•										•	•		•	•		
Food	•	•	•		•	•	•	•	•	•	•			•	•	•	•	•	•		•
Environmental/Water	•	•	•		•	•			•	•	•			•		•	•	•	•		•
Pharmaceutical/Personal Care	•	•	•		•	•			•	•	•		•	•	•	•	•			•	•
Educational/Research	•	•	•	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•		•

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FLY2 Rev E

PARASITE SUSPENSIONS & SLIDES

CLINICAL • PROFICIENCY • EDUCATION

Introducing Parasite Suspensions from Microbiologics

Simple, reliable QC testing

FEATURES

- Ready-to-use
- Hassle-free packaging
- Room temperature storage
- Certificate of Analysis
- Two-year shelf-life
- CE Marked Medical IVD

APPLICATIONS

- QC of diagnostic kits and methods
- Microscopic examination
- Acid-Fast staining procedures
- Proficiency programs
- Educational



Parasite Suspensions

Parasite Suspensions are packaged in a vial containing 1 ml of a particular parasite species. For your convenience, each Parasite Suspension comes with a Certificate of Analysis that includes detailed information about the parasite. Choose from these common organisms:

- | | |
|---|------------------------------------|
| • FP01 <i>Giardia lamblia</i> | • FP07 <i>Blastocystis hominis</i> |
| • FP02 <i>Cryptosporidium</i> species | • FP08 <i>Trichuris trichiura</i> |
| • FP03 <i>Diphyllobothrium latum</i> | • FP09 <i>Iodamoeba butschlii</i> |
| • FP04 <i>Taenia</i> species | • FP10 <i>Necator americanus</i> |
| • FP05 <i>Ascaris lumbricoides</i> | • FP11 <i>Hymenolepis nana</i> |
| • FP06 <i>Strongyloides stercoralis</i> | • FP12 <i>Endolimax nana</i> |
| | • FP13 <i>Entamoeba coli</i> |

PARASITE SUSPENSIONS & SLIDES

CLINICAL • PROFICIENCY • EDUCATION

Simple, reliable QC testing



Microbiology QC Slides

Microbiology QC Slides come with one or two droplets of an air-dried and methanol-fixed organism, or a single smear containing a designated organism population. For your convenience, a detailed Certificate of Analysis is available upon request.

- SL90-10 Blood Parasite Control Slide
- SL45-10 Cryptosporidium Control Slide
- SL15-10 SAF-Preserved Fecal Smear Control
- SL10-10 Zinc PVA-Preserved Fecal Smear Control

FEATURES

- Ready-to-use
- Hassle-free packaging
- Room temperature storage
- Certificate of Analysis
- Wide variety of controls including protozoa



A safer, healthier world.

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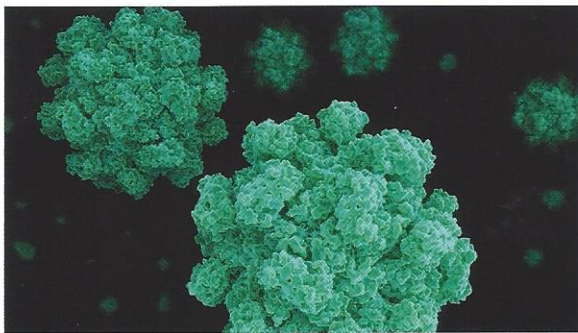
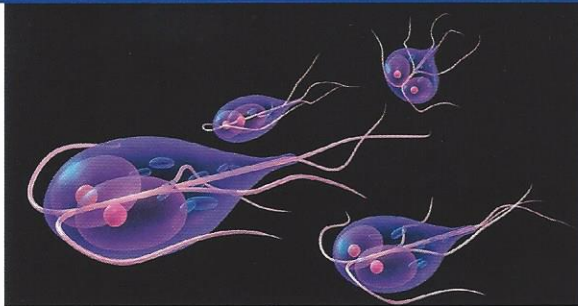
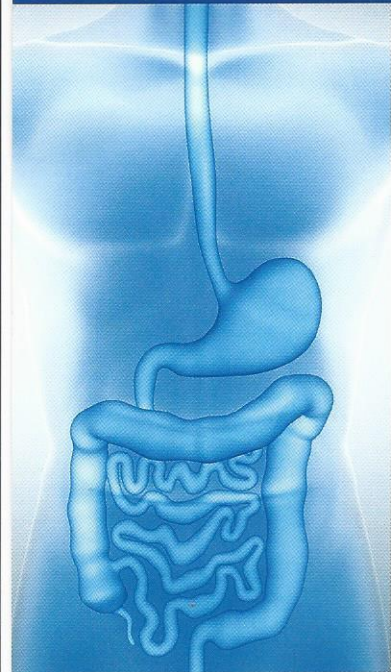
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TECHNICAL SUPPORT: 320.229.7045 • 886.286.6691 • techsupport@microbiologics.com

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Positive Controls for GI Testing

From the World's Leading Provider of Ready-to-Use Biological Controls



Microbiologics®, the world's #1 provider of biological controls, offers a wide array of reliable, easy-to-use standards for gastrointestinal (GI) clinical diagnostic assays. We have all the biological controls you need for validation, verification, proficiency testing and quality control including:

- Slides and Parasite Suspensions for microscopy
- Prepared microorganisms for culture methods
- Inactivated cultures and synthetic nucleic acids for molecular diagnostic assays

Safe, Simple, Stable Controls

- Compatible with a variety of instruments, kits and applications
- Independent external controls provide accurate, reliable results
- Convenient test-ready formats save you time and money
- Easy and economical storage, no freezing required
- Certificate of Analysis provides detailed strain information
- Technical Support experts available for guidance



Reliable, Convenient QC

Organisms		QC Microbiology Slides	Parasite Suspensions	Synthetic Helix Elite™ Molecular Standards	Inactivated Helix Elite™ Molecular Standards	KWIK-STIK™	LYFO DISK™
Parasites	<i>Cryptosporidium spp.</i>	•	•	•			
	<i>Cyclospora cayetanensis</i>			•			
	<i>Entamoeba histolytica</i>			•			
	<i>Giardia lamblia</i>	•	•	•			
Viruses	Norovirus (GI and GII)			•			
	Rotavirus A				•		
Bacteria	<i>Campylobacter</i> (jejuni, coli, lari)					•	•
	<i>Salmonella</i> (enterica serovars)					•	•
	<i>Shigella</i> (flexneri, sonnei, boydii)					•	•
	<i>Vibrio</i> (parahaemolyticus, vulnificus)					•	•
	<i>Yersinia enterocolitica</i>					•	•
	<i>Escherichia coli</i> (EPEC, STEC)					•	•
	<i>Clostridium difficile</i> (toxin A/B)					•	•



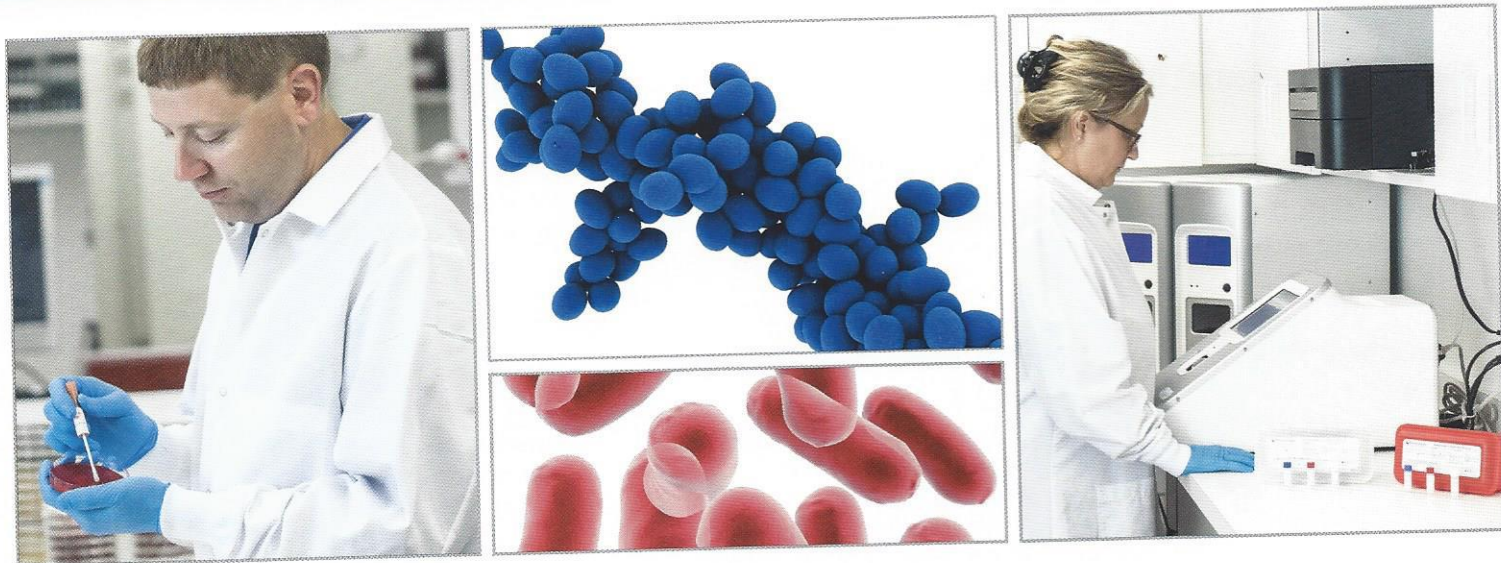
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Nanosphere Verigene® Controls

From the Leader in QC Testing



Microbiologics, the world's leading provider of QC microorganisms, offers QC panels designed specifically for the Nanosphere Verigene® molecular diagnostic system. Our Nanosphere Verigene® QC Panels feature individually packaged and color-coded, pre-mixed pools of inactivated QC strains recommended by the instrument manufacturer. With Microbiologics, Quality Control has never been easier or more reliable!

Accurate, Reliable Results

- Recommended for routine QC
- Protects your reputation by providing documentation and assurance that the laboratory can consistently produce accurate results
- Improves daily workflow
- Ensures testing procedures, equipment and materials are working properly

Easy-to-Use

- No mixing required
- Individually packaged and color coordinated to simplify use and avoid cross contamination
- One simple catalog number for fast, easy ordering
- Refrigerated storage
- Traceable to reference culture
- For in vitro diagnostic use (IVD)

INACTIVATED CONTROLS

Each panel comes complete with 5 vials of each pool and features color coordinated packaging for easy pool identification.

Nanosphere Verigene® Gram-Positive Blood Culture Control Panel - Catalog #8180

Pool 1

S. epidermidis NCIMB 8853
S. lugdunensis NCTC 7990
E. faecium NCTC 12204
L. monocytogenes NCTC 10890

Pool 2

S. pyogenes NCIMB 13285
S. agalactiae NCTC 8017
S. anginosus NCTC 10713

Pool 3

S. aureus NCTC 12493
E. faecalis NCTC 13379
S. pneumoniae NCIMB 13286

Nanosphere Verigene® Gram-Negative Blood Culture Control Panel - Catalog #8181

Pool 4

A. baumannii NCIMB 12457
P. aeruginosa NCTC 10662
E. cloacae NCTC 13464

Pool 5

K. pneumoniae NCTC 13438
C. freundii NCTC 9750
E. coli NCTC 13476
K. pneumoniae NCTC 13443
K. pneumoniae NCTC 13440

Pool 6

K. oxytoca NCTC 11686
K. pneumoniae NCTC 13442
P. vulgaris NCTC 4636

Nanosphere Verigene® Enteric Pathogen Control Panel - Catalog #8184

Pool 7

C. jejuni NCTC 11322
E. coli CDC 2010C-3114
S. sonnei NCTC 12984
S. Typhimurium NCTC 74
Y. enterocolitica NCTC 11174
V. parahaemolyticus NCTC 13209
Rotavirus SA11
Recombinant Norovirus GII.4

Pool 8

C. difficile NAP1 CDC 20121308



LIVE CULTURE CONTROLS

Nanosphere Verigene® QC microorganisms are also available in live cultures*. Each set contains 2 STIKs of each recommended strain.

- Nanosphere Verigene® Gram-Positive Blood Culture Test QC Set - Catalog #5225P
- Nanosphere Verigene® Gram-Negative Blood Culture Test QC Set - Catalog #5226P

*Live culture QC strains are also available individually

Contact us to learn more
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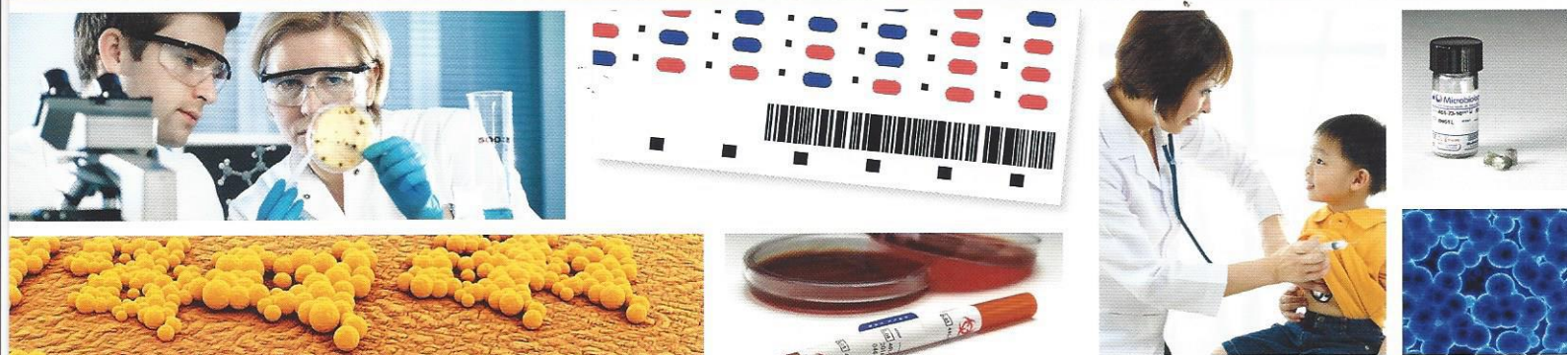
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FLY72 Rev D

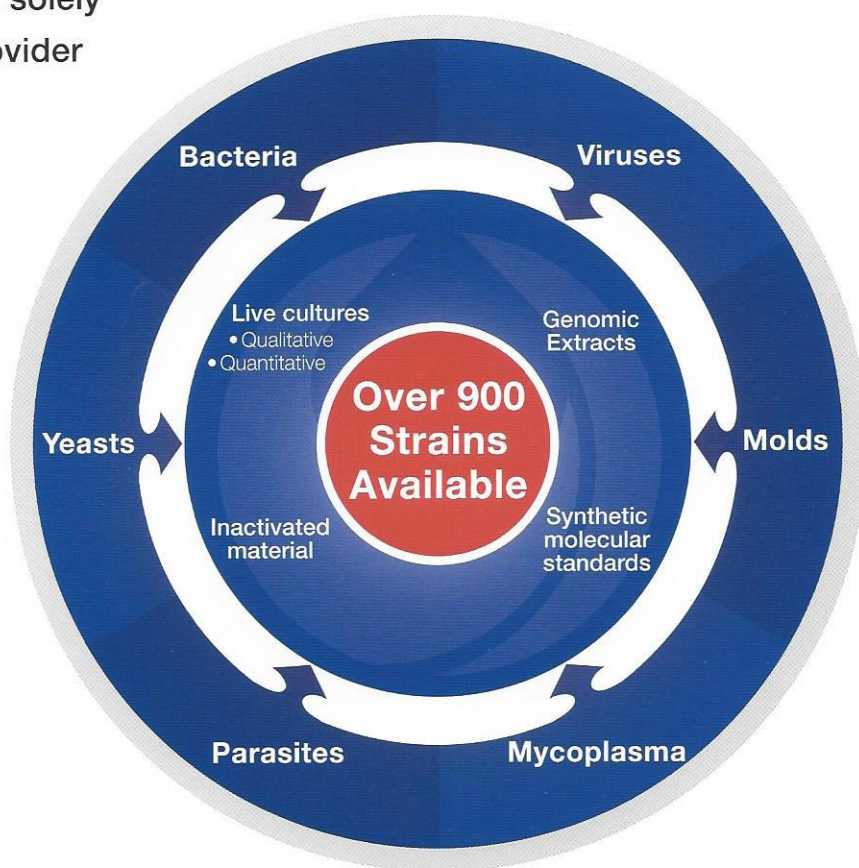
EVERYTHING YOU NEED FOR QC FROM THE WORLD'S LEADING EXPERTS

Your Single Source for QC Microorganisms with More Than
900 Strains in a Multitude of User-Friendly Formats.



As the world's only supplier focused solely
on QC microorganisms, no other provider
can rival the scope and quality of
Microbiologics' product offering.

Designing and producing the most
innovative and user-friendly biological
controls is our distinctive area of expertise.
This is why the world's most elite
laboratories choose Microbiologics to
ensure the accuracy of their test results.



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FLY68 Rev A

Simple, Reliable QC for Molecular Diagnostics



Positive Controls for Molecular Assays

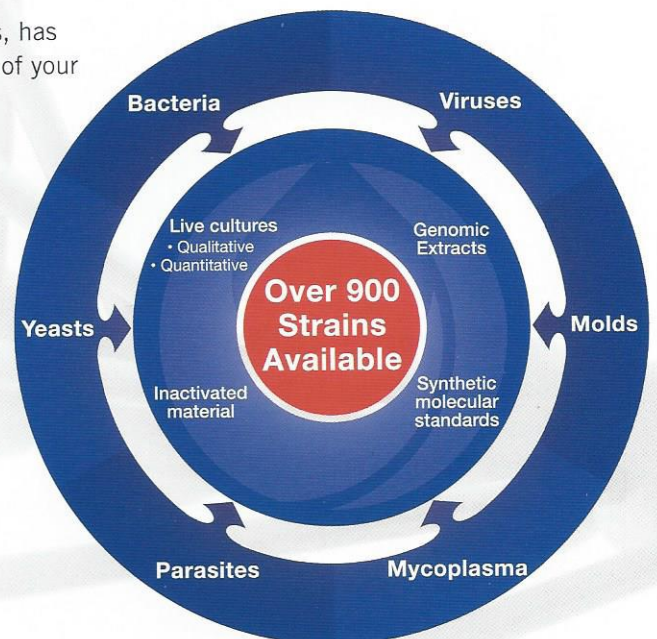
Microbiologics®, the world's #1 provider of test ready biological controls, has all the controls you need for validation, verification, proficiency and QC of your molecular instruments and assays including:

- Inactivated, full process controls
- Synthetic nucleic acids, amplification and detection controls
- Prepared microorganisms for culture methods
- QC Sets and Panels designed specifically for instrumentation and regulatory standards

Safe, Simple, Stable Molecular Controls

Helix Elite™ Molecular Standards, available in synthetic nucleic acid and inactivated formats, are non-hazardous controls designed for use with molecular assays.

- Compatible with a variety of instruments, kits and applications
- Convenient test-ready formats save you time and money
- Easy and economical storage - room temperature storage
- FDA listed and CE Marked as an In-Vitro Diagnostic (IVD) Medical Device



Positive Controls for Molecular Assays



Inactivated Helix Elite™ Molecular Standards

- Fully intact, non-viable process controls
- Used for every step of the molecular testing process: from extraction through detection
- Quick-dissolve lyophilized pellets may be reconstituted in buffer or transport medium and processed using the same protocols as the patient sample
- Multiple targets available for gastrointestinal, respiratory, sexual health, and transplant assays



Synthetic Helix Elite™ Molecular Standards

- Synthetic nucleic acid RNA and DNA sequences for use as amplification and detection controls in clinical assays
- Contains consensus sequences of diagnostic regions from the target's genome, representing the known genetic diversity of the microorganism
- Features difficult to access targets such as Norovirus, West Nile Virus, and Eastern Equine Encephalitis Virus

Instrument-Specific QC Sets and Panels

- Specially designed for the most common instrumentation and diagnostic test kits
- Contains the manufacturer recommended QC strains for a particular instrument in an easy-to-use format (e.g. BD MAX™, Cepheid GeneXpert®, and Nanosphere Verigene®)*

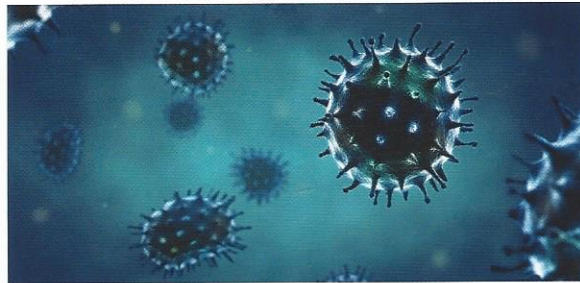
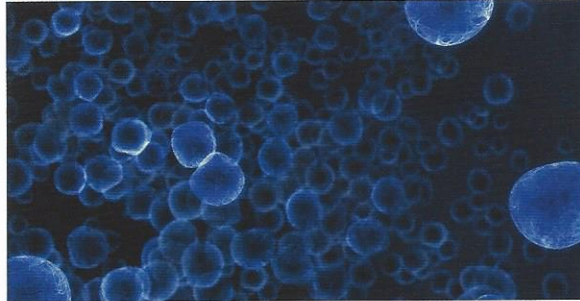
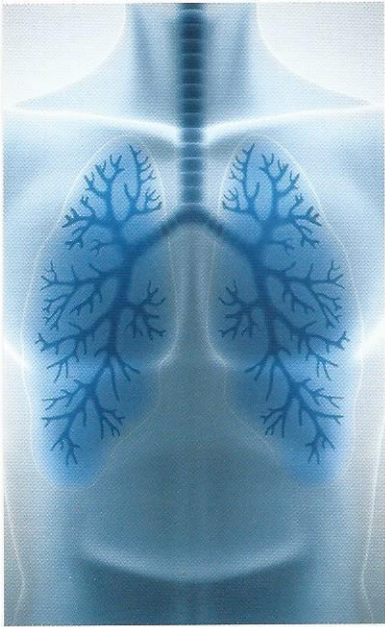
**Live culture QC strains are also available individually*



Go to www.microbiologics.com for a complete list of controls

Positive Controls for Respiratory Pathogen Testing

From the World's Leading Provider of Ready-to-Use Biological Controls



Microbiologics®, the world's #1 provider of biological controls, offers a wide array of reliable, easy-to-use standards for respiratory pathogen testing in clinical laboratories. We have all the biological controls you need for validation, verification, proficiency testing, and quality control including:

- Prepared microorganisms for culture methods
- Inactivated cultures for molecular diagnostic assays

Safe, Simple, Stable Controls

- Compatible with a variety of instruments, kits and applications
- Independent external controls provide accurate, reliable results
- Convenient test-ready formats save you time and money
- Easy and economical storage, no freezing required
- Certificate of Analysis provides detailed strain information
- Technical Support experts available for guidance



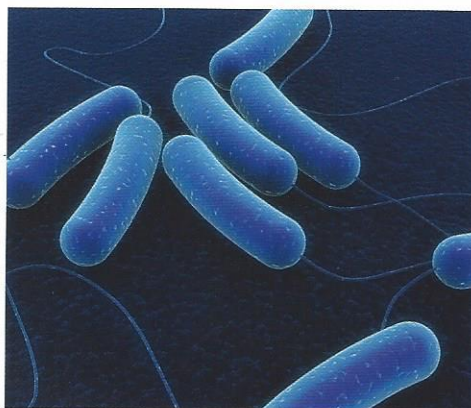
Reliable, Convenient QC

Organisms		Inactivated Helix Elite™ Molecular Standards	KWIK-STIK™	LYFO DISK™
Viruses	Adenovirus	•		
	Respiratory Syncytial Virus (RSV)	•		
	Influenza A	•		
	Influenza B	•		
	Parainfluenza	•		
Bacteria	<i>Bordetella</i> spp.		•	•
	<i>Mycoplasma pneumoniae</i>		•	•
	<i>Chlamydomphila pneumoniae</i>	•		
	<i>Corynebacterium diphtheriae</i>		•	•
	<i>Haemophilus influenzae</i>		•	•
	<i>Streptococcus</i> spp.		•	•
	<i>Legionella pneumophila</i>		•	•



BioFire FilmArray® Controls

From the Leader in QC Testing



Microbiologics, the world's leading provider of QC microorganisms, has developed a QC Panel specially designed for the BioFire FilmArray®! Our BioFire FilmArray® Blood Culture Identification (BCID) Verification Panel includes everything you need for QC in a convenient, easy-to-use format.

- Contains the recommended QC strains for BCID verification
- All-in-one KWIK-STIK™ design is test-ready and very user-friendly
- Refrigerated storage is easy and economical
- Online Certificate of Analysis provides detailed strain information
- Traceability to reference cultures ensures authenticity
- One simple catalog number for fast, convenient ordering

BioFire FilmArray® Blood Culture Identification (BCID) Verification Panel - Catalog #5229P

- | | |
|---|---|
| • <i>Acinetobacter baumannii</i> ATCC® 19606™* | • <i>Klebsiella pneumoniae</i> ATCC® BAA-1705™* |
| • <i>Candida albicans</i> ATCC® 10231™* | • <i>Listeria monocytogenes</i> ATCC® 19111™* |
| • <i>Candida glabrata</i> ATCC® 15126™* | • <i>Neisseria meningitidis</i> ATCC® 13077™* |
| • <i>Candida krusei</i> ATCC® 14243™* | • <i>Proteus mirabilis</i> ATCC® 35659™* |
| • <i>Candida parapsilosis</i> ATCC® 22019™* | • <i>Pseudomonas aeruginosa</i> ATCC® 27853™* |
| • <i>Candida tropicalis</i> ATCC® 1369™* | • <i>Serratia marcescens</i> ATCC® 13880™* |
| • <i>Enterobacter cloacae</i> subsp. <i>cloacae</i> ATCC® 13047™* | • <i>Staphylococcus aureus</i> subsp. <i>aureus</i> ATCC® 33591™* |
| • <i>Enterococcus faecalis</i> ATCC® 51299™* | • <i>Staphylococcus epidermidis</i> ATCC® 12228™* |
| • <i>Escherichia coli</i> ATCC® 11229™* | • <i>Streptococcus agalactiae</i> ATCC® 12386™* |
| • <i>Haemophilus influenzae</i> ATCC® 10211™* | • <i>Streptococcus pneumoniae</i> ATCC® 10015™* |
| • <i>Klebsiella oxytoca</i> ATCC® 13182™* | • <i>Streptococcus pyogenes</i> ATCC® 19615™* |

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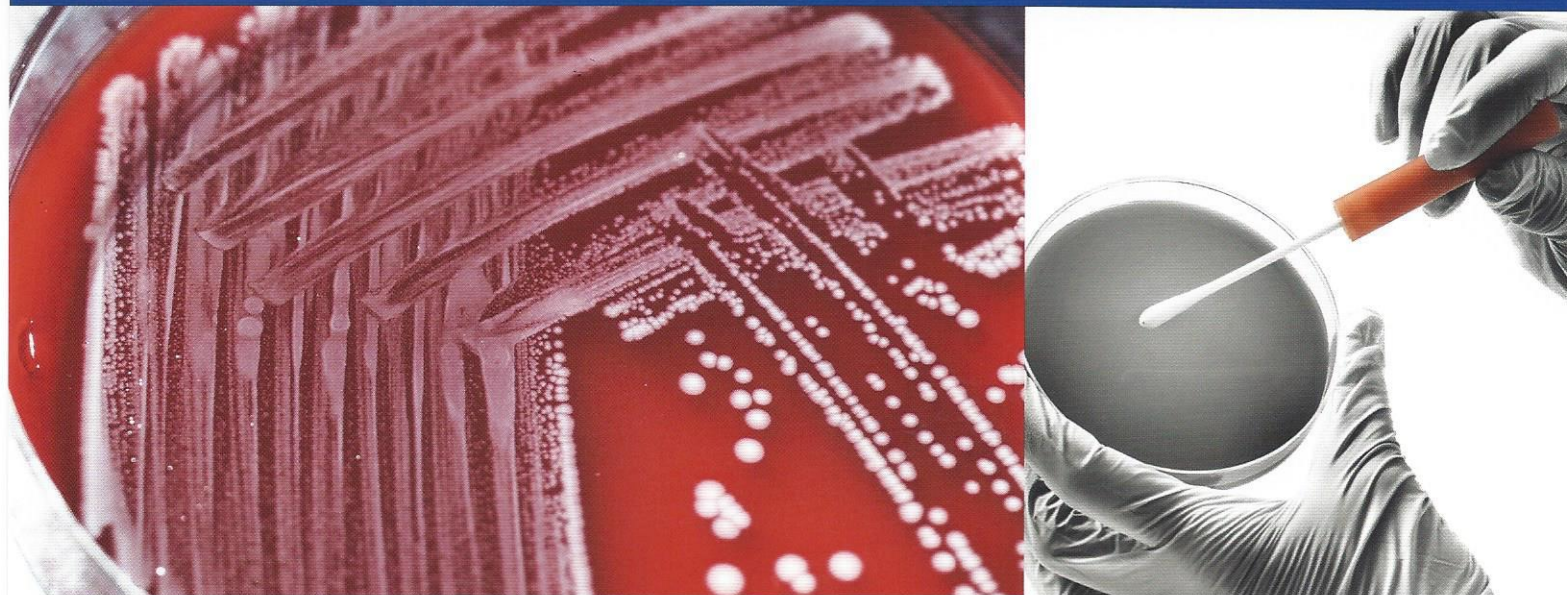
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FLY95 Rev A

For The First Time, Big 6 STEC Controls Are Available In Easy-To-Use Formats!

Come to Microbiologics® to get the Big 6 Shiga-Toxin *E. coli* (STEC), plus O157:H7 and O104:H4, for Quality Control testing.



Microbiologics is the only accredited supplier to offer STEC controls in ready-to-use formats.

- Be compliant with USDA/FSIS regulations
- Reduce risk
- Easy-to-use
- Save time, labor and money

Choose from KWIK STIK™, LYFO DISK® and QC Microorganism Set formats:

Catalog # 01100 *Escherichia coli*, serotype O26:H11, CDC 03-3014

Catalog # 01098 *Escherichia coli*, serotype O45:H2, CDC 00-3039

Catalog # 01101 *Escherichia coli*, serotype O103:H11, CDC 06-3008

Catalog # 01102 *Escherichia coli*, serotype O111:H8, CDC 2010C-3114

Catalog # 01099 *Escherichia coli*, serotype O121:H19, CDC 02-3211

Catalog # 01097 *Escherichia coli*, serotype O145:NM, CDC 99-3311

Catalog # 0617 *Escherichia coli*, serotype O157:H7, ATCC® 35150™*

Catalog # 01104 *Escherichia coli*, serotype O104:H4, ATCC® BAA-2326™*

Catalog #5218 Big 6 STEC QC Set

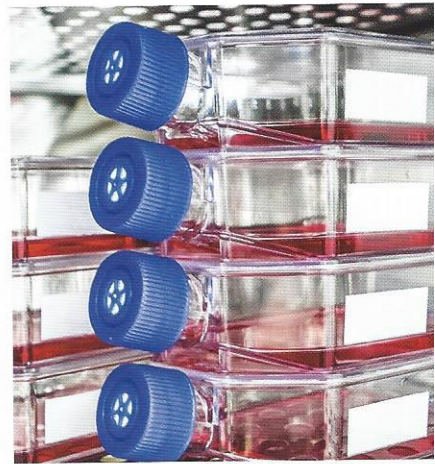
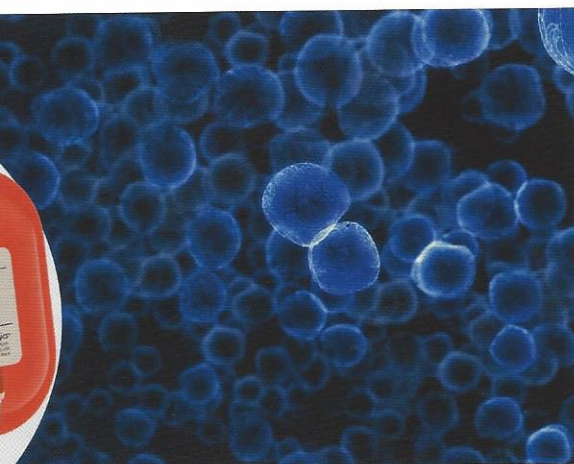
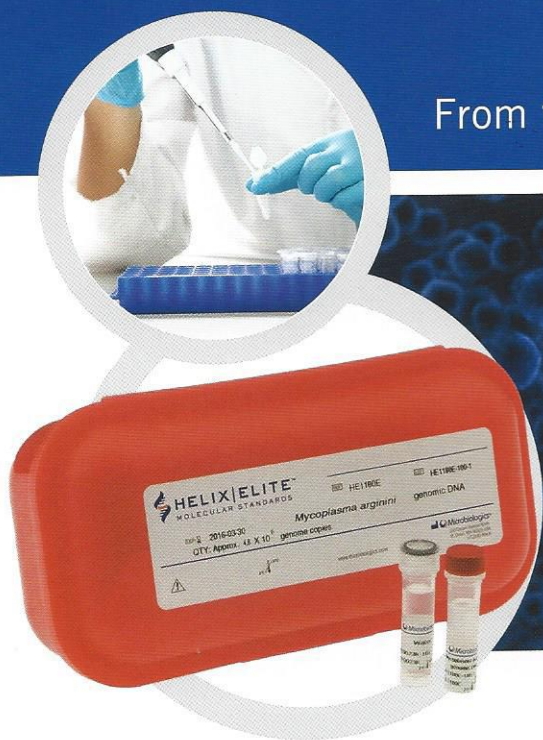
Catalog #5219 Big 7 STEC QC Set



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Now Available – Genomic DNA Extracts for Molecular Mycoplasma Testing

From the World's Premier Source for QC Microorganisms



Positive Controls for Mycoplasma Testing

Designed for use as positive controls in molecular applications, Helix Elite™ Molecular Standards Genomic DNA Extracts include purified DNA from the most common contaminating species.

Test Applications:

- Validation & Verification
- Assay Optimization
- Sensitivity
- Specificity
- Training
- Proficiency Testing
- Lot-to-lot Testing
- Molecular *Mycoplasma* Testing
- Performance controls for real-time PCR
- Standard curves for quantification

Safe. Simple. Stable.

- Non-hazardous
- Cost effective, reliable results; no extraction required
- Dried and stabilized for room temperature storage
- Traceable to low passage NCTC strains
- Gene copy number provided for quantitation

Each Kit Includes:

- 1 vial with at least 10^6 copies of Genomic DNA
- Helix Elite™ Molecular Standard Water for rehydration
- Instructions For Use
- Detailed Certificate of Analysis

Contact us to learn more.

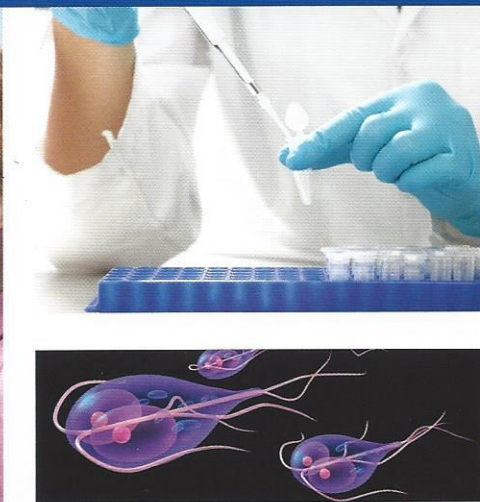
1.320.253.1640
1.800.599.BUGS(2847)

www.microbiologics.com

 **Microbiologics**
A safer, healthier world.

BD MAX™ QC is Easier Than Ever!

Microbiologics ready-to-use QC Sets and Panels for BD MAX™ assays are specially designed for validation, quality control and assay challenge studies!



QC SETS AND PANELS: SYNTHETIC NUCLEIC ACIDS

This ready-to-use QC Panel features Microbiologics Synthetic Helix Elite™ Molecular Standards targets with DNA sequences specifically designed for use with the BD MAX™.

BD MAX™ Enteric Parasite Control Panel – Catalog #8182

Five vials of pooled synthetic DNA (*Cryptosporidium* spp., *Entamoeba histolytica*, and *Giardia lamblia*) and one vial of molecular standard water for rehydration. *For use with BD MAX™ Enteric Parasite Assay*

QC SETS AND PANELS: LIVE CULTURES

Live Culture QC Sets feature Microbiologics easy-to-use KWIK-STIK™ product line! The KWIK-STIK™ features an innovative design with a lyophilized microorganism pellet, ampoule of hydrating fluid and inoculating swab – all in one device!

BD MAX™ Enteric Bacterial Organism Set – Catalog #8179

Twenty strains, one KWIK-STIK™ of each
For use with BD MAX™ Enteric Bacterial Panel

BD MAX™ SA Organism Set – Catalog #8178

Fourteen *Staphylococcus* strains, one KWIK-STIK™ of each
For use with BD MAX™ StaphSR and BD MAX™ MRSA XT Assays

BD MAX™ Strep B Organism Set – Catalog #8173

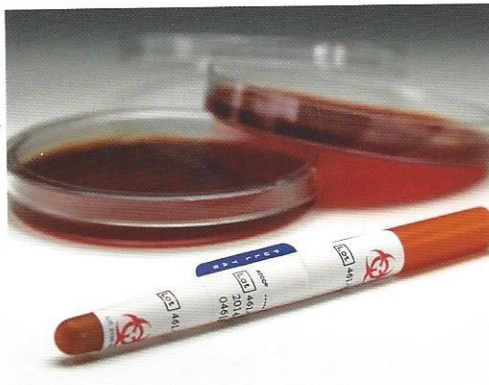
Ten *Streptococcus* strains, four KWIK-STIK™(s) of each
For use with BD MAX™ GBS Assay

BD MAX™ MRSA Organism Set – Catalog #8174

Ten *Staphylococcus* strains, four KWIK-STIK™(s) of each
For use with BD MAX™ MRSA Assays

VITEK 2™ QC is Easier than Ever

Microbiologics offers specially designed QC Sets in a variety of ready-to-use formats for the VITEK 2™



Each ready-to-use QC Set contains the recommended QC strains for the VITEK 2™ in an easy-to-use format

Antimicrobial Susceptibility Testing QC Sets*

- Cat #5189 VITEK 2™; AST-GN QC Set with Klebsiella
- Cat #5111 VITEK 2™; AST-GN QC Set without Klebsiella
- Cat #5220 VITEK 2™; AST-GP67 and AST-GP75 QC Set
- Cat #5187 VITEK 2™; AST-GP71 QC Set
- Cat #5112 VITEK 2™; AST-GP72 QC Set
- Cat #5221 VITEK 2™; AST-ST01 QC Set
- Cat #5184 VITEK 2™; AST-YS QC Set

Comprehensive QC Sets*

- Cat #5190 VITEK 2™; ANC Comprehensive QC Set
- Cat #5191 VITEK 2™; BCL Comprehensive QC Set
- Cat #5192 VITEK 2™; GN Comprehensive QC Set
- Cat #5193 VITEK 2™; GP Comprehensive QC Set
- Cat #5194 VITEK 2™; NH Comprehensive QC Set
- Cat #5195 VITEK 2™; YST Comprehensive QC Set
- Cat #5209 VITEK 2™; CBC QC Set

*Visit www.microbiologics.com to view the strains included in each set.

QC Made Easy

- One simple catalog number for fast, easy ordering
- Convenient formats
 - LYFO DISK® (vial of 6 lyophilized pellets of each microorganism)
 - KWIK-STIK™ 2 Pack (2 STIKs of each microorganism)
 - KWIK-STIK™ 6 Pack (6 STIKs of each microorganism)
- Refrigerated storage
- Online Certificate of Analysis
- Traceable to reference culture



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Contact us to learn more
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FLY93 Rev B

TESTING FOR NOROVIRUS? Positive Controls for GI.1 and GII.4 Genotypes

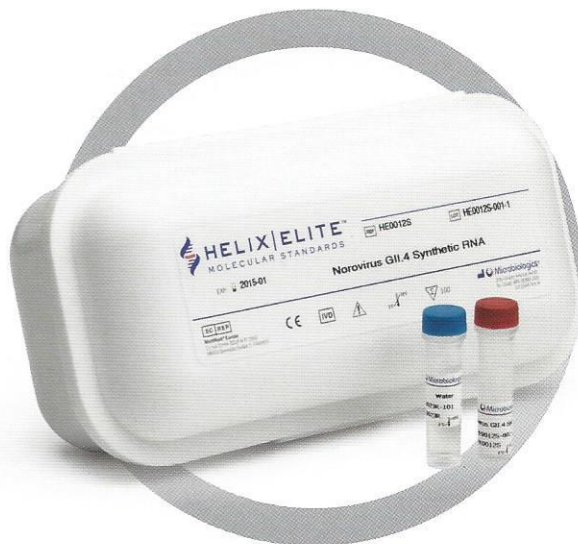
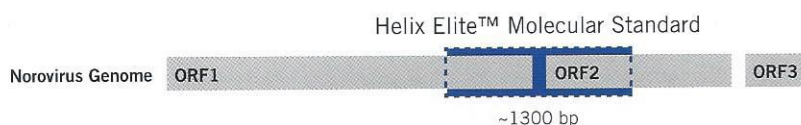
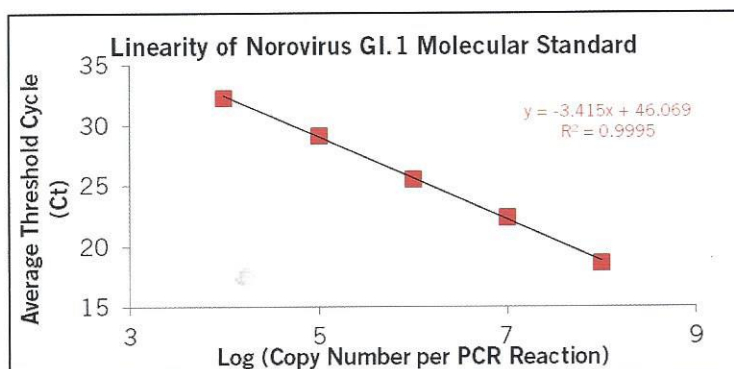
Positive Controls for Molecular Assays

Helix Elite™ Molecular Standards are specifically designed and synthetically produced nucleic acids for use as a genetic surrogate for pathogens that are difficult to grow, or that require specialized facilities or staff. Each standard contains consensus sequences of diagnostic regions from the target's genome and represents the known genetic diversity of the microorganism.

Safe. Simple. Stable.

- Non-hazardous
- Stabilized RNA for room temperature storage
- Optimized consensus sequence for ORF1-ORF2 junction
- 10^8 copy number per vial
- Ready-to-use with no extraction required
- Recommended dilution series provides approximately 100 reactions
- Detailed Instructions for Use and Certificate of Analysis

Cat. #HE00013S Norovirus GI.1 Synthetic RNA
 Cat. #HE00012S Norovirus GII.4 Synthetic RNA



Test Applications:

- Sensitivity
- Specificity
- Validation & Verification
- Assay Optimization
- Training
- Proficiency Testing
- Lot-to-Lot Testing

Contact us to learn more.

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QC Microorganism Sets for Rapid Diagnostic Instruments and Test Kits

Microbiologics offers ready-to-use QC Microorganism Sets designed for the most common molecular instruments and diagnostic test kits on the market!



Each QC Microorganism Set contains the manufacturer recommended quality control strains for a particular instrument or test in an easy-to-use format.



- One simple catalog number for fast, easy ordering
- Convenient formats
 - LYFO DISK® (vial of 6 lyophilized pellets of each microorganism)
 - KWIK-STIK™ 2 Pack (2 STIKs of each microorganism)
 - KWIK-STIK™ 6 Pack (6 STIKs of each microorganism)
- Refrigerated storage
- Online Certificate of Analysis
- Traceable to reference culture

QC Microorganism Sets are available for a variety of instruments and kits including:

- Vitek® 2
- BIOLOG®
- MicroScan®
- BD BBL™ Crystal™, Phoenix™, GeneOhm™ and MAX™
- API®
- And many more!
- MicroSEQ®

See back for more details on the following QC kits:

- Cepheid® Smart Cycler® and GeneXpert®
- Roche

QC Microorganism Sets: Molecular Instruments and Test Kits



Microbiologics offers an array of easy-to-use QC Microorganism Sets for molecular instruments and test kits, saving you time and labor! QC Microorganism Sets include:

BD GeneOhm™ MRSA QC Set - Cat. #8167

Two KWIK-STIKs. Each set contains a positive and a negative control. For use with BD Diagnostics systems only.

BD GeneOhm™ Cdiff QC Set - Cat. #8169

Two KWIK-STIKs. Each set contains a positive and a negative control. For use with BD Diagnostics systems only.

BD GeneOhm™ StrepB QC Set - Cat. #8168

Two KWIK-STIKs. Each set contains a positive and a negative control. For use with BD Diagnostics systems only.

BD GeneOhm™ VanR QC Set - Cat. #5197

BD GeneOhm™ VanR QC Set features three *Enterococcus* strains; available in 3 convenient formats.

BD MAX™ MRSA Organism Set - Cat. #8174

Ten *Staphylococcus* strains, four KWIK-STIKs of each. For use with BD MAX™ MRSA Assays.

BD MAX™ SA Microorganism Set - Cat. #8178

Fourteen *Staphylococcus* strains, one KWIK-STIK™ of each. For use with BD MAX™ StaphSR and BD MAX™ MRSA XT Assays.

BD MAX™ Strep B Organism Set - Cat. #8173

Ten *Streptococcus* strains, four KWIK-STIKs of each. For use with BD MAX™ GBS Assay.

Cepheid®; Smart GBS™ QC Set - Cat. #8165

Four KWIK-STIK™ units. Each set contains a low, medium and high level of the same microorganism and one negative control. For the use with Cepheid® systems only.

Cepheid®; Xpert C. difficile™ QC Set - Cat. #8171

Two KWIK-STIKs. Each set contains a positive and negative control. For the use with Cepheid® systems only.

Cepheid®; Xpert GBS™ QC Set - Cat. #8164

Four KWIK-STIKs. Each set contains a low, medium and high level of the same microorganism and one negative control. For the use with Cepheid® systems only.

Cepheid® GeneXpert Staphylococcus Sets

- **Cat. #0360MSSA** - Two *S. aureus* KWIK-STIKs at 1×10^4 . For use with Cepheid® GeneXpert Systems only.
- **Cat. #0158MRSA** - Two *S. aureus* KWIK-STIKs at 1×10^4 . For use with Cepheid® GeneXpert Systems only.
- **Cat. #0371MSSE** - Two *S. epidermidis* KWIK-STIKs at 1×10^4 . For use with Cepheid® GeneXpert Systems only.

MicroSEQ®; Microbial Identification System Validation Panel QC Set - Cat. #5185

MicroSEQ®; Microbial Identification System Validation Panel QC Set features eight strains, available in three convenient formats.

Roche S. aureus - Cat. #0158ROCHE

Two *S. aureus* KWIK-STIKs at 1×10^4 . For use with the LightCycler® MRSA Advanced Test from Roche Molecular Diagnostics only.

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FLY7 Rev C

QC Sets and Panels for a Variety of Instruments and Standards

Microbiologics offers a variety of instrument/kit-specific and regulation-specific QC Sets and Panels including:

BD MAX™*

- Cat #8178 BD MAX™ SA Organism Set
- Cat #8179 BD MAX™ Enteric Bacterial Organism Set
- Cat #8182 BD MAX™ Enteric Parasite Control Panel

BioFire FilmArray®

- Cat #5229 BioFire FilmArray® Blood Culture Identification (BCID) Verification Panel

Nanosphere Verigene®*

- Cat #8184 Nanosphere Verigene® Enteric Pathogen Control Panel
- Cat #8181 Nanosphere Verigene® Gram-Negative Blood Culture Control Panel
- Cat #8180 Nanosphere Verigene® Gram-Positive Blood Culture Control Panel

Cepheid GeneXpert®*

- Cat #8171 Cepheid®; Xpert Clostridium difficile™ QC Set
- Cat #8164 Cepheid®; Xpert GBS™ QC Set
- Cat #0371MSSE *Staphylococcus epidermidis*

VITEK® 2™*

- Cat #5192 VITEK 2™ GN Comprehensive QC Set
- Cat #5193 VITEK 2™ GP Comprehensive QC Set
- Cat #5187 VITEK 2™ AST-GP71 QC Set

Regulation-Specific QC Sets and Panels*

- Cat #5002 CLSI (NCCLS); MIC QC Set
- Cat #5027 CLSI (NCCLS) M22; Chocolate Agar QC Set
- Cat #5201 EUCAST; Disk Diffusion/MIC QC Set

*Additional QC Sets and Panels are available for this instrument/regulation

Visit our website for a complete list of QC Sets and Panels for the MicroScan® WalkAway, API™, MicroSEQ™, BIOLOG®, BD BBL™ Crystal, BD Phoenix™, BD GeneOhm and many more.



Applications:

- QC of microbial identification and detection instruments and commercial diagnostic assays including biochemical, PCR and molecular technologies
- QC of CLSI® Antimicrobial Susceptibility Testing (AST) and many other common tests
- Verification and Validation
- Proficiency

Package Details:

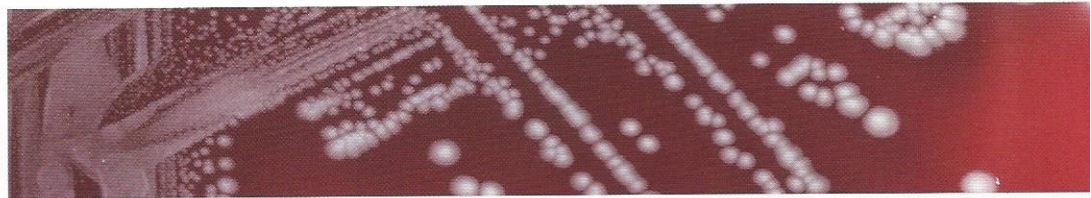
- Live Culture QC Sets and Panels
 - LYFO DISK™ (vial of 6 lyophilized pellets of each microorganism)
 - KWIK-STIK™ 2 Pack (2 STIKs of each microorganism)
 - KWIK-STIK™ 6 Pack (6 STIKs of each microorganism)
- Synthetic DNA/RNA QC Sets and Panels
- Inactivated Microorganism QC Sets and Panels

Highlights:

- Each **instrument-specific QC** set or panel contains the manufacturer recommended quality control strains for a particular instrument or test in an easy-to-use format
- Each **regulation-specific QC** set or panel contains the regulation-specific (e.g. CLSI or EUCAST) recommended quality control strains for a particular test in an easy-to-use format
- One simple catalog number for fast, easy ordering
- Protects your reputation by providing documentation and assurance that the laboratory can consistently produce accurate results
- Ensures testing procedures, equipment and materials are working properly
- Convenient test ready format saves you time and money
- Technical Support experts available for guidance



**World's #1 Provider
of Biological Controls
for Clinical Use**



More Than 900 Strains in Many User-Friendly Formats

 **Microbiologics®**
A safer, healthier world.



- User-friendly design with a lyophilized microorganism pellet, ampoule of hydrating fluid and inoculating swab – all in one device
- Over 900 strains available
- Available in packs of 2 or 6



- Offers the same attributes as the KWIK-STIK™, and is only two passages from the reference culture to allow for more subculturing
- Available in packs of 5



LYFO DISK™

- Easy-to-use: simply re-hydrate the pellet and inoculate
- Over 900 strains available
- Vial of 6 pellets



QC Sets and Panels contain the manufacturer recommended quality control strains for a particular instrument or test in an easy-to-use format. Also available are QC Sets and Panels for CLSI® antimicrobial susceptibility testing and for many other common quality control tests.

- One simple catalog number for fast, easy ordering
- Traceable to reference culture
- Convenient formats:
 - LYFO DISK™ (vial of 6 lyophilized pellets of each microorganism)
 - KWIK-STIK™ 2 pack (2 STIKs of each microorganism)
 - KWIK-STIK™ 6 pack (6 STIKs of each microorganism)

Commercial QC Sets and Panels are available for a variety of instruments and kits including:

- VITEK 2™ • MicroScan® • API® • BD BBL™ Crystal™, Phoenix™, GeneOhm™ and MAX™ • Cepheid® Smart Cyclo® and GeneXpert®
- Nanosphere Verigene® • And Many More!



PARASITE SUSPENSIONS

CLINICAL • PROFICIENCY • EDUCATION

- Versatile - Parasite Suspensions can be used for a variety of applications including:
 - QC of diagnostic kits and methods
 - Microscopic examinations
 - Acid-fast staining procedures
 - Proficiency programs
 - Educational purposes
- Room temperature storage
- Ready-to-use 1 ml suspension



QC MICROBIOLOGY SLIDES

- Microbiology QC Slides contain droplets of an air-dried, fixed preserved organism, or a smear containing a designated organism population
 - Wide variety of controls for instant access to uncommon specimens
- Ready-to-use out of the box
- Each box contains 10 slides



Safe, Simple, Stable Molecular Controls

Helix Elite™ Molecular Standards, available in synthetic nucleic acid and inactivated formats, are non-hazardous controls designed for use with molecular assays.

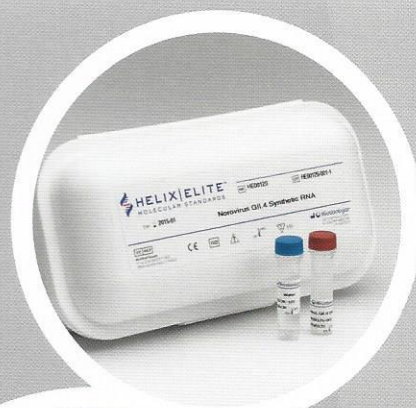
- Compatible with a variety of instruments, kits and applications
- Convenient test-ready formats save you time and money
- Easy and economical storage - room temperature storage
- FDA listed and CE Marked as an In-Vitro Diagnostic (IVD) Medical Device

Inactivated Helix Elite Molecular Standards

Inactivated Helix Elite Molecular Standards are fully intact, non-viable process controls that can be used for every step of the molecular testing process; from extraction through detection.

Synthetic Helix Elite Molecular Standards

Synthetic Helix Elite Molecular Standards are specially designed synthetic RNA and DNA sequences for use as amplification and detection controls in clinical assays.



TEST METHOD	KWIK-STIK™, KWIK-STIK™ Plus	LYFO DISK™	Microbiology Slides	Parasite Suspensions	QC Sets and Panels	Helix Elite™
Identification Tests / Traditional Methods	•	•	•	•	•	
Identification Tests / Automated Commercial Instruments	•	•			•	
Identification Tests / Molecular Methods / Rapid Methods	•	•			•	•
Antimicrobial Susceptibility Tests	•	•			•	
Screening Tests for Biomarkers using Lab Developed Methods						•
Validation / Verification	•	•			•	•
Education	•	•	•	•	•	•
Proficiency Testing	•	•	•	•		•

ISO 13485:2003
CERTIFICATION

Simple, Reliable QC Testing

Contact us to learn more.

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BRO2 Rev C

**Controllo
di Qualità**



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