



# MOLECULAR DIAGNOSTIC CONTROLS

Microbiologics has the controls your lab needs for Women's Health, Gastrointestinal, Respiratory, and other molecular assays. Each set or panel contains diagnostically relevant control strains developed through input from our customers and industry partners. Simplified yet precise, the Helix Elite™ line streamlines your quality control to ensure accuracy and efficiency. To view our entire Molecular Diagnostic Controls product list please visit us at [microbiologics.com](https://microbiologics.com)

## **Accurate, Reliable Results**

- IVD controls and panels providing assurance in your results
- Third-party controls delivering an independent assessment of assay performance
- Lyophilization allows for easy storage, reduces transport cost and ensures stability
- Non-infectious microorganisms in ready-to-use formats
- Technical Support Experts available for guidance



## GASTROINTESTINAL

- BD MAX™ Enteric Parasite 20-Day QC Panel (Inactivated Pellet) - Catalog #8202
- BD MAX™ Enteric Parasite Control Panel (Inactivated Pellet) - Catalog #8204
- Comprehensive Enteric Bacterial Control Panel (Inactivated Pellet) - Catalog #8231
- Enteric Bacterial Verification Panel (Live Culture) - Catalog #8179
- Enteric Parasite Verification Panel (Synthetic) - Catalog #8182
- Enteric Viral Verification Panel (Inactivated Pellet) - Catalog #8210
- Enteric Viral Control Panel (Inactivated Pellet) - Catalog #8211
- Extended Enteric Bacterial Verification Panel (Inactivated Pellet) - Catalog #8191

## HEALTHCARE-ASSOCIATED INFECTIONS (HAIs)

- *C. difficile* QC Set (Live Culture) - Catalog #8171
- *C. difficile* Control Panel (Inactivated Swab) - Catalog #8227
- Methicillin-Resistant *Staphylococcus aureus* (MRSA) (Inactivated Swab) - Catalog #HE0053NS
- Methicillin-Susceptible *Staphylococcus aureus* (MSSA) (Inactivated Swab) - Catalog #HE0054NS
- Methicillin-Susceptible *Staphylococcus epidermidis* (MSSE) (Inactivated Swab) - Catalog #HE0055NS
- MRSA Organism Set (Live Culture) - Catalog #8174
- SA Organism Set (Live Culture) - Catalog #8178

## RESPIRATORY

- Inactivated SARS-CoV-2 Whole Virus (Pellet) - Catalog #HE0065N
- Inactivated SARS-CoV-2 Whole Virus (Swab) - Catalog #HE0066NS
- SARS-CoV-2 Process Control (Pellet) - Catalog #HE0062S
- SARS-CoV-2 Process Control (Swab) - Catalog # HE0063S
- SARS-CoV-2 Synthetic RNA (N Gene Targets) - Catalog #HE0060S
- SARS-CoV-2 Synthetic RNA Pool (N/E/RdRp/S Gene Targets) - Catalog #HE0061S

## WOMEN'S HEALTH AND STI

- BD MAX™ CT/GC/TV 20-Day QC Panel (Inactivated Pellet) - Catalog #8193
- CT/GC/TV Control Panel (Inactivated Pellet) - Catalog #8228
- GBS Verification Panel (Live Culture) - Catalog #8173
- Group B *Streptococcus* (GBS) Control Panel (Inactivated Swab) - Catalog #8232
- Vaginal Verification Panel (Inactivated Pellet) - Catalog #8208
- Vaginal Control Panel (Inactivated Pellet) - Catalog #8209

Visit our website to view all strains and formats.

## Enteric Parasite Panels

### Catalog #8202 BD MAX™ Enteric Parasite 20-Day QC Panel (Inactivated Pellet)

Contains 20 inactivated, pre-pooled microorganism pellets comprised of the organisms recommended by the manufacturer for QC listed below (20 pellets/kit total). For use with the BD MAX™ EntericParasite Panel

- *Cryptosporidium parvum*
- *Entamoeba histolytica* surrogate
- *Giardia lamblia*

### Catalog #8204 BD MAX™ Enteric Parasite Control Panel (Inactivated Pellet)

Contains six inactivated, pre-pooled microorganism pellets comprised of the organisms recommended by the manufacturer for QC listed below (six pellets/kit total). For use with the BD MAX™ Enteric Parasite Panel

- *Cryptosporidium parvum*
- *Entamoeba histolytica* surrogate
- *Giardia lamblia*

### Catalog #8182 Enteric Parasite Verification Panel (Synthetic)

Contains five vials of dried synthetic DNA and 1 vial of molecular standard water for rehydration. Each vial contains a pre-pooled pellet comprised of the microorganisms listed below (five pellets/kit total):

- *Cryptosporidium* spp.
- *Entamoeba histolytica*
- *Giardia lamblia* synthetic DNA

## Enteric Bacterial Panels

### Catalog #8191 Extended Enteric Bacterial Verification Panel (Inactivated Pellet)

Contains 21 inactivated, pre-pooled microorganism pellets comprised of the organisms listed below (21 pellets/kit total):

- *S. Typhimurium* derived from NCTC 74
- *S. sonnei* derived from NCTC 12984
- *E. coli* derived from CDC 2010C-3114 (STEC)
- *C. jejuni* derived from NCTC 11322
- *P. shigelloides* derived from NCTC 10363
- *Y. enterocolitica* derived from NCTC 11174
- *E. coli* derived from NCTC 11602 (ETEC)
- *V. parahaemolyticus* derived from NCTC 13209

### Catalog #8231 Comprehensive Enteric Bacterial Control Panel (Inactivated Pellet)

Contains six inactivated, pre-pooled microorganism pellets comprised of the organisms listed below (six pellets/kit total):

- *S. Typhimurium* derived from NCTC 74
- *S. sonnei* derived from NCTC 12984
- *E. coli* derived from CDC 2010C-3114 (STEC)
- *C. jejuni* derived from NCTC 11322
- *P. shigelloides* derived from NCTC 10363
- *Y. enterocolitica* derived from NCTC 11174
- *E. coli* derived from NCTC 11602 (ETEC)
- *V. parahaemolyticus* derived from NCTC 13209

### Catalog #8179 Enteric Bacterial Verification Panel (Live Culture)

Contains two KWIK-STIKs of each strain listed below (16 KWIK-STIKs total):

- *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™\* (STEC)
- *Escherichia coli* serotype O111:H8 derived from CDC 2010C-3114 (STEC)



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## Enteric Viral Panels

### Catalog #8210 Enteric Viral Verification Panel (Inactivated Pellet)

Contains 20 inactivated, pre-pooled microorganism pellets comprised of the organisms listed below (20 pellets/kit total):

- Adenovirus 40
- Astrovirus surrogate
- Norovirus GII surrogate
- Rotavirus
- Sapovirus surrogate

### Catalog #8211 Enteric Viral Control Panel (Inactivated Pellet)

Contains six inactivated, pre-pooled microorganism pellets comprised of the organisms listed below (six pellets/kit total):

- Adenovirus 40
- Astrovirus surrogate
- Norovirus GII surrogate
- Sapovirus surrogate
- Rotavirus

## **C.difficile Panels**

### **Catalog #8171 C. difficile QC Set (Live Culture)**

Contains one KWIK-STIK™ unit of *Clostridioides difficile* derived from ATCC® 9689™\* and one KWIK-STIK™ unit of *Clostridioides difficile* derived from ATCC® 700057™\*



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### **Catalog #8227 C. difficile Control Panel (Inactivated Swab)**

Contains six positive and six negative inactivated control swabs.

#### **Positive Control (six swabs):**

*Clostridioides difficile*

#### **Negative Control (six swabs):**

*Clostridium sordellii*

## **MRSA Panels**

### **Catalog #8178 SA Organism Set (Live Culture)**

Contains 14 Staphylococcal strains, one KWIK-STIK of each strain (14 KWIK-STIKs total):

- 11 strains/Methicillin Resistant *Staphylococcus aureus* (MRSA)
- Two strains/Methicillin Sensitive *Staphylococcus aureus* (MSSA)
- One strain/Methicillin Sensitive *Staphylococcus epidermidis* (MSSE)

### **Catalog #8174 MRSA Organism Set (Live Culture)**

Contains four KWIK-STIK™ units of each microorganism listed below:

- *Staphylococcus aureus* derived from ATCC® 33591™\*
- *Staphylococcus aureus* derived from ATCC® 700699™\*
- *Staphylococcus aureus* derived from ATCC® 43300™\*
- *Staphylococcus aureus* derived from ATCC® 700698™\*
- *Staphylococcus aureus* derived from NCTC 12493
- *Staphylococcus aureus* subsp. *aureus* derived from NCTC 12973
- *Staphylococcus aureus* derived from ATCC® 6538™\*
- *Staphylococcus aureus* derived from ATCC® 29213™\*
- *Staphylococcus aureus* subsp. *aureus* derived from ATCC® 33862™\*
- *Staphylococcus epidermidis* derived from ATCC® 51625™\*



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### **Catalog #HE0053NS Methicillin-Resistant *Staphylococcus aureus* (MRSA) (Inactivated Swab)**

Contains six individually packaged inactivated control swabs containing Methicillin-Resistant *Staphylococcus aureus* (MRSA).

### **Catalog #HE0054NS Methicillin-Susceptible *Staphylococcus aureus* (MSSA) (Inactivated Swab)**

Contains six individually packaged inactivated control swabs containing Methicillin-Susceptible *Staphylococcus aureus* (MSSA).

### **Catalog #HE0055NS Methicillin-Susceptible *Staphylococcus epidermidis* (MSSE) (Inactivated Swab)**

Contains six individually packaged inactivated control swabs containing Methicillin-Susceptible *Staphylococcus epidermidis* (MSSE)



## **SARS-CoV-2 Controls**

### **Catalog #HE0060S SARS-CoV-2 Synthetic RNA (N Gene Targets)**

Contains one vial of dried synthetic RNA and one vial of molecular standard water for rehydration. The SARS-CoV-2 synthetic RNA material is a 1044-nucleotide portion of the SARS-CoV-2 N (nucleocapsid) gene. It contains three markers N1, N2 and N3 that are commonly used in diagnostic assays.

### **Catalog #HE0061S SARS-CoV-2 Synthetic RNA Pool (N/E/RdRp/S Gene Targets)**

Contains one vial of dried synthetic RNA (up to 100 reactions), one vial of molecular standard water for rehydration. Synthetic RNA molecular standard intended for use as a positive control in molecular applications.

### **Catalog #HE0062S SARS-CoV-2 Process Control (Pellet)**

Contains five individually packaged inactivated lyophilized pellets made with RNA transcripts containing diagnostically relevant targets (CDC and WHO consensus sequences: Orf1ab/RdRp/S/E/ORF8/M/N) encapsulated in a phage protein and human lung epithelial cells. See website for positions of each gene targets. Each kit also contains five vials of molecular standard water for rehydration.

### **Catalog #HE0063S SARS-CoV-2 Process Control (Swab)**

Contains five individually packaged inactivated lyophilized swabs made with RNA transcripts containing diagnostically relevant targets (CDC and WHO consensus sequences: Orf1ab/RdRp/S/E/ORF8/M/N) encapsulated in a phage protein and human lung epithelial cells. See website for positions of each gene target.

### **Catalog #HE0065N Inactivated SARS-CoV-2 Whole Virus (Pellet)**

Contains five individually packaged lyophilized pellets made with whole inactivated SARS-CoV-2 virus (Isolate SARS-CoV-2/USA/WA1/2020) and inactivated human lung epithelial cells. Each kit also contains five vials of molecular standard water for rehydration.

### **Catalog #HE0066NS Inactivated SARS-CoV-2 Whole Virus (Swab)**

Contains six individually packaged lyophilized swabs made with whole inactivated SARS-CoV-2 virus (Isolate SARS-CoV-2/USA/WA1/2020) and inactivated human lung epithelial cells.

## Vaginal Panels

### Catalog #8208 Vaginal Verification Panel (Inactivated Pellet)

Includes two boxes containing 20 individually packaged inactivated microorganism pellets of each pool listed below (120 pellets/kit).

**Pool 1 (20 vials per kit)**

- *Lactobacillus crispatus*

**Pool 3 (20 vials per kit)**

- *Atopobium vaginae*
- BVAB2 surrogate
- *Candida albicans*
- *Gardnerella vaginalis*

**Pool 4 (20 vials per kit)**

- *Atopobium vaginae*
- BVAB2 surrogate
- *Gardnerella vaginalis*
- *Trichomonas vaginalis*

**Pool 5 (20 vials per kit)**

- *Atopobium vaginae*
- *Candida glabrata*
- *Gardnerella vaginalis*
- *Lactobacillus crispatus*

**Pool 6 (20 vials per kit)**

- *Atopobium vaginae*
- *Candida krusei*
- *Gardnerella vaginalis*
- *Lactobacillus crispatus*

**Pool 2 (20 vials per kit)**

- *Gardnerella vaginalis*

### Catalog #8209 Vaginal Control Panel (Inactivated Pellet)

Contains six inactivated, pre-pooled microorganism pellets of each pool listed below (12 pellets/kit):

**Pool 1 (six pellets/vials)**

- *Lactobacillus crispatus*

**Pool 2 (six pellets/vials)**

- *Atopobium vaginae*
- BVAB2 surrogate
- *Candida albicans*
- *Candida glabrata*
- *Candida krusei*
- *Gardnerella vaginalis*
- *Trichomonas vaginalis*

## CT/GC/TV Panels

### Catalog #8193 BD MAX™ CT/GC/TV 20-Day QC Panel (Inactivated Pellet)

Contains 20 inactivated, pre-pooled microorganism pellets each comprised of the organisms recommended by the manufacturer for QC listed below. For use with BD MAX™ CT/GC/TV assay.

- *Chlamydia trachomatis*
- *Neisseria gonorrhoeae*
- *Trichomonas vaginalis*

### Catalog #8228 CT/GC/TV Control Panel (Inactivated Pellet)

Contains six inactivated, pre-pooled pellets comprised of the microorganisms listed below (six pellets/kit):

- *Chlamydia trachomatis*
- *Neisseria gonorrhoeae*
- *Trichomonas vaginalis*

## GBS Panels

### Catalog #8173 GBS Verification Panel (Live Culture)

Contains two KWIK-STIKs of each strain listed below (12 KWIK-STIKs total):

- *Streptococcus agalactiae* (B) derived from ATCC® 12386™\*
- *Streptococcus agalactiae* (B, III) derived from ATCC® 12403™\*
- *Streptococcus anginosus* (G) derived from NCTC 10713
- *Streptococcus dysgalactiae* subsp. *equisimilis* (C) derived from ATCC® 12388™\*
- *Streptococcus pyogenes* (A) derived from ATCC® 19615™\*
- *Streptococcus agalactiae* (III) derived from ATCC® BAA-22™\*



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### Catalog #8232 Group B Streptococcus (GBS) Control Panel (Inactivated Swab)

Contains six positive and six negative inactivated control swabs:

**Positive Control (six swabs/kit):**

*Streptococcus agalactiae*

**Negative Control (six swabs/kit):**

*Lactobacillus acidophilus*

Visit our website to view all strains and formats with live cultures available.