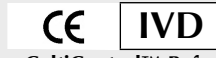


**CultiControl™** freeze-dried microorganisms

Packaging: 1 vial containing 5 pellets

Non-enumerated CFU

Applications: Culture purposes, QC of ID devices, QC of AST devices



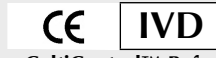
| Description   | CultiControl™ Ref. | notes  |
|---|--------------------|--|
| <i>Acinetobacter baumannii</i> ATCC® BAA-747™*                | 89141              |  |
| <i>Actinomyces odontolyticus</i> ATCC® 17929™*                | 89114              |  |
| <i>Aeromonas hydrophila</i> ATCC® 7966™*                      | 89119              |  |
| <i>Aggregatibacter aphrophilus</i> ATCC® 7901™*               | 89091              |  |
| <i>Aspergillus brasiliensis</i> ATCC® 16404™*                 | 89021              |  |
| <i>Bacillus cereus</i> ATCC® 11778™*                          | 89022              |  |
| <i>Bacillus cereus</i> ATCC® 10876™*                          | 89155              |  |
| <i>Bacillus subtilis</i> subsp. spizizenii ATCC® 6633™*       | 89023              |  |
| <i>Bacteroides fragilis</i> ATCC® 25285™*                     | 89078              |  |
| <i>Bacteroides fragilis</i> ATCC® 23745™*                     | 89113              |  |
| <i>Bacteroides ovatus</i> ATCC® 8483™*                        | 89111              |  |
| <i>Bacteroides thetaiotaomicron</i> ATCC® 29741™*             | 89079              |  |
| <i>Bordetella bronchiseptica</i> ATCC® 4617™*                 | 89139              |  |
| <i>Burkholderia cepacia</i> ATCC® 25416™*                     | 89147              |  |
| <i>Campylobacter jejuni</i> subsp. jejuni ATCC® 33291™*       | 89086              |  |
| <i>Campylobacter jejuni</i> subsp. jejuni ATCC® 33560™*       | 89145              |  |
| <i>Candida albicans</i> ATCC® 10231™*                         | 89024              |  |
| <i>Candida albicans</i> ATCC® 90028™*                         | 89072              |  |
| <i>Candida krusei</i> ATCC® 14243™*                           | 89098              |  |
| <i>Candida parapsilosis</i> ATCC® 22019™*                     | 89071              |  |
| <i>Candida tropicalis</i> ATCC® 750™*                         | 89097              |  |
| <i>Citrobacter freundii</i> ATCC® 43864™*                     | 89146              |  |
| <i>Citrobacter freundii</i> ATCC® 8090™*                      | 89159              |  |
| <i>Clostridium difficile</i> ATCC® 9689™*                     | 89090              | produces cytotoxin   |
| <i>Clostridium histolyticum</i> ATCC® 19401™*                 | 89112              |  |
| <i>Clostridium perfringens</i> ATCC® 13124™*                  | 89053              |  |
| <i>Clostridium sordellii</i> ATCC® 9714™*                     | 89059              |  |
| <i>Clostridium sporogenes</i> ATCC® 19404™*                   | 89095              |  |
| <i>Cronobacter muytjensii</i> ATCC® 51329™*                   | 89158              |  |
| <i>Cronobacter sakazakii</i> ATCC® 29544™*                    | 89138              | formerly <i>Enterobacter sakazakii</i>                     |
| <i>Enterobacter aerogenes</i> ATCC® 13048™*                   | 89156              |  |
| <i>Enterobacter cloacae</i> subsp. cloacae ATCC® BAA-1143™*   | 89065              | control strain for the AmpC disk test; strong positive     |
| <i>Enterococcus faecalis</i> ATCC® 19433™*                    | 89025              |  |
| <i>Enterococcus faecalis</i> ATCC® 29212™*                    | 89026              |  |
| <i>Enterococcus faecalis</i> ATCC® 33186™*                    | 89115              |  |
| <i>Enterococcus faecalis</i> ATCC® 49532™*                    | 89066              | high level Gentamicin-resistant and Streptomycin-sensitive |
| <i>Enterococcus faecalis</i> ATCC® 49533™*                    | 89067              | high level Gentamicin-sensitive and Streptomycin-resistant |
| <i>Enterococcus faecium</i> ATCC® 51559™*                     | 89117              |  |
| <i>Enterococcus faecium</i> ATCC® 6057™*                      | 89152              |  |
| <i>Escherichia coli</i> ATCC® 25922™*                         | 89027              |  |
| <i>Escherichia coli</i> ATCC® 8739™*                          | 89028              |  |
| <i>Escherichia coli</i> ATCC® 35218™*                         | 89163              | beta lactamase producer                                    |
| <i>Escherichia coli</i> NCTC 11954                            | 89068              | beta lactamase producer                                    |
| <i>Fluoribacter bozemanii</i> ATCC® 33217™*                   | 89157              |  |
| <i>Fusobacterium nucleatum</i> subsp. nucleatum ATCC® 25586™* | 89118              |  |
| <i>Gardnerella vaginalis</i> ATCC® 14018™*                    | 89099              |  |

**CultiControl™ freeze-dried microorganisms**

Packaging: 1 vial containing 5 pellets

Non-enumerated CFU

Applications: Culture purposes, QC of ID devices, QC of AST devices



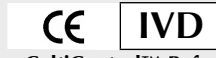
| Description  | CultiControl™ Ref. | notes  |
|--|--------------------|--|
| <i>Haemophilus haemolyticus</i> ATCC <sup>®</sup> 33390™*                  | 89123              |  |
| <i>Haemophilus influenzae</i> ATCC <sup>®</sup> 49766™*                    | 89076              |  |
| <i>Haemophilus influenzae</i> ATCC <sup>®</sup> 49247™*                    | 89077              |  |
| <i>Haemophilus influenzae</i> ATCC <sup>®</sup> 19418™*                    | 89160              |  |
| <i>Haemophilus influenzae</i> ATCC <sup>®</sup> 10211™*                    | 89120              | type b; beta lactamase negative                      |
| <i>Haemophilus influenzae</i> ATCC <sup>®</sup> 33533™*                    | 89124              | type b; beta lactamase producer                      |
| <i>Haemophilus influenzae</i> NCTC 8468                                    | 89136              |  |
| <i>Haemophilus influenzae</i> ATCC <sup>®</sup> 9007™*                     | 89142              | type c   |
| <i>Issatchenkia orientalis</i> ATCC <sup>®</sup> 6258™*                    | 89073              |  |
| <i>Klebsiella pneumoniae</i> ATCC <sup>®</sup> BAA-1144™*                  | 89150              | control strain for the AmpC disk test; weak positive |
| <i>Klebsiella pneumoniae</i> ATCC <sup>®</sup> BAA-1705™*                  | 89088              | Modified Hodge Test (MHT) positive control           |
| <i>Klebsiella pneumoniae</i> ATCC <sup>®</sup> BAA-1706™*                  | 89087              | Modified Hodge Test (MHT) negative control           |
| <i>Klebsiella pneumoniae</i> ATCC <sup>®</sup> BAA-2146™*                  | 89069              | New Delhi metallo-beta-lactamase (NDM-1) positive    |
| <i>Klebsiella pneumoniae</i> subsp. pneumoniae ATCC <sup>®</sup> 700603™*  | 89070              | ESBL positive  |
| <i>Klebsiella pneumoniae</i> subsp. pneumoniae ATCC <sup>®</sup> 13883™*   | 89089              |  |
| <i>Lactobacillus acidophilus</i> ATCC <sup>®</sup> 4356™*                  | 89080              |  |
| <i>Lactobacillus paracasei</i> subsp. paracasei ATCC <sup>®</sup> BAA-52™* | 89055              |  |
| <i>Lactobacillus fermentum</i> ATCC <sup>®</sup> 9338™*                    | 89100              |  |
| <i>Lactobacillus leichmannii</i> ATCC <sup>®</sup> 4797™*                  | 89081              |  |
| <i>Lactococcus lactis</i> subsp. lactis ATCC <sup>®</sup> 19435™*          | 89082              |  |
| <i>Legionella pneumophila</i> subsp. fraseri ATCC <sup>®</sup> 33156™*     | 89151              |  |
| <i>Legionella pneumophila</i> subsp. pneumophila ATCC <sup>®</sup> 33152™* | 89052              |  |
| <i>Listeria grayi</i> ATCC <sup>®</sup> 25401™*                            | 89101              |  |
| <i>Listeria innocua</i> ATCC <sup>®</sup> 33090™*                          | 89029              |  |
| <i>Listeria ivanovii</i> subsp. ivanovii ATCC <sup>®</sup> 19119™*         | 89030              |  |
| <i>Listeria monocytogenes</i> ATCC <sup>®</sup> 19111™*                    | 89031              | serotype 1   |
| <i>Listeria monocytogenes</i> ATCC <sup>®</sup> 19115™*                    | 89051              | serotype 4b  |
| <i>Listeria monocytogenes</i> ATCC <sup>®</sup> 13932™*                    | 89085              | serotype 4b  |
| <i>Listeria monocytogenes</i> ATCC <sup>®</sup> 7644™*                     | 89060              |  |
| <i>Listeria monocytogenes</i> ATCC <sup>®</sup> 35152™*                    | 89148              |  |
| <i>Listeria monocytogenes</i> ATCC <sup>®</sup> BAA-751™*                  | 89143              |  |
| <i>Micrococcus luteus</i> ATCC <sup>®</sup> 10240™*                        | 89096              |  |
| <i>Micrococcus luteus</i> ATCC <sup>®</sup> 4698™*                         | 89102              |  |
| <i>Moraxella (Branhamella) catarrhalis</i> ATCC <sup>®</sup> 25238™*       | 89103              |  |
| <i>Neisseria gonorrhoeae</i> ATCC <sup>®</sup> 19424™*                     | 89074              |  |
| <i>Neisseria gonorrhoeae</i> ATCC <sup>®</sup> 31426™*                     | 89075              | beta lactamase producer                              |
| <i>Neisseria gonorrhoeae</i> ATCC <sup>®</sup> 49226™*                     | 89104              |  |
| <i>Neisseria gonorrhoeae</i> ATCC <sup>®</sup> 49981™*                     | 89122              | Penicillin resistant                                 |
| <i>Neisseria meningitidis</i> ATCC <sup>®</sup> 13090™*                    | 89164              | serogroup B  |
| <i>Peptostreptococcus anaerobius</i> ATCC <sup>®</sup> 27337™*             | 89165              |  |
| <i>Plesiomonas shigelloides</i> ATCC <sup>®</sup> 14029™*                  | 89094              |  |
| <i>Porphyromonas gingivalis</i> ATCC <sup>®</sup> 33277™*                  | 89162              |  |
| <i>Prevotella melaninogenica</i> ATCC <sup>®</sup> 25845™*                 | 89134              |  |
| <i>Propionibacterium acnes</i> ATCC <sup>®</sup> 11827™*                   | 89135              |  |
| <i>Proteus mirabilis</i> ATCC <sup>®</sup> 25933™*                         | 89032              |  |
| <i>Proteus mirabilis</i> ATCC <sup>®</sup> 12453™*                         | 89049              |  |

**CultiControl™ freeze-dried microorganisms**

Packaging: 1 vial containing 5 pellets

Non-enumerated CFU

Applications: Culture purposes, QC of ID devices, QC of AST devices



| Description  | CultiControl™ Ref. | notes  |
|--|--------------------|--|
| <i>Proteus mirabilis</i> ATCC® 29906™*                                       | 89083              |  |
| <i>Proteus mirabilis</i> ATCC® 35659™*                                       | 89105              |  |
| <i>Proteus mirabilis</i> ATCC® 43071™*                                       | 89106              |  |
| <i>Proteus vulgaris</i> ATCC® 6380™*   | 89107              |  |
| <i>Providencia stuartii</i> ATCC® 33672™*                                    | 89125              |  |
| <i>Pseudomonas aeruginosa</i> ATCC® 15442™*                                  | 89109              | Pyocyanin not produced   |
| <i>Pseudomonas aeruginosa</i> ATCC® 10145™*                                  | 89108              |  |
| <i>Pseudomonas aeruginosa</i> ATCC® 27853™*                                  | 89033              |  |
| <i>Pseudomonas aeruginosa</i> ATCC® 9027™*                                   | 89034              |  |
| <i>Pseudomonas fluorescens</i> ATCC® 13525™*                                 | 89110              |  |
| <i>Rhodococcus equi</i> ATCC® 6939™*   | 89035              | recommended for CAMP test for <i>Listeria monocytogenes</i>    |
| <i>Saccharomyces cerevisiae</i> ATCC® 9763™*                                 | 89036              |  |
| <i>Salmonella enterica</i> subsp. arizonae ATCC® 13314™*                     | 89154              |  |
| <i>Salmonella enterica</i> subsp. enterica serovar Abony NCTC 6017           | 89132              |  |
| <i>Salmonella enterica</i> subsp. enterica serovar Enteritidis ATCC® 13076™* | 89084              | group D  |
| <i>Salmonella enterica</i> subsp. enterica serovar Paratyphi ATCC® 9150™*    | 89161              | group A; H <sub>2</sub> S negative                             |
| <i>Salmonella enterica</i> subsp. enterica serovar Typhimurium ATCC® 14028™* | 89037              |  |
| <i>Salmonella enterica</i> subsp. enterica serovar Typhimurium ATCC® 13311™* | 89054              |  |
| <i>Serratia marcescens</i> ATCC® 8100™*                                      | 89121              |  |
| <i>Shigella flexneri</i> ATCC® 12022™*                                       | 89038              | serotype 2b  |
| <i>Shigella sonnei</i> ATCC® 25931™*   | 89058              |  |
| <i>Staphylococcus aureus</i> ATCC® 33862™*                                   | 89042              | recommended for CAMP test                                      |
| <i>Staphylococcus aureus</i> subsp. aureus ATCC® 29213™*                     | 89041              |  |
| <i>Staphylococcus aureus</i> subsp. aureus ATCC® 25923™*                     | 89040              |  |
| <i>Staphylococcus aureus</i> subsp. aureus ATCC® 33591™*                     | 89116              | methicillin resistant  |
| <i>Staphylococcus aureus</i> subsp. aureus ATCC® 43300™*                     | 89043              | methicillin resistant; mec A positive                          |
| <i>Staphylococcus aureus</i> subsp. aureus ATCC® 700699™*                    | 89093              | Methicillin resistant; Mu50; reduced Vancomycin susceptibility |
| <i>Staphylococcus aureus</i> subsp. aureus ATCC® 700698™*                    | 89092              | Methicillin resistant; GRD MIC Test Strip control              |
| <i>Staphylococcus aureus</i> subsp. aureus ATCC® 19095™*                     | 89137              |  |
| <i>Staphylococcus aureus</i> ATCC® 6538™*                                    | 89044              |  |
| <i>Staphylococcus aureus</i> NCTC 12493                                      | 89039              |  |
| <i>Staphylococcus epidermidis</i> ATCC® 12228™*                              | 89045              |  |
| <i>Staphylococcus haemolyticus</i> ATCC® 29970™*                             | 89126              |  |
| <i>Staphylococcus saprophyticus</i> ATCC® 15305™*                            | 89153              |  |
| <i>Staphylococcus xylosus</i> ATCC® 29971™*                                  | 89133              |  |
| <i>Stenotrophomonas maltophilia</i> ATCC® 13637™*                            | 89149              |  |
| <i>Streptococcus agalactiae</i> ATCC® 13813™*                                | 89046              | group B; non-hemolytic in absence of CAMP factor               |
| <i>Streptococcus anginosus</i> ATCC® 33397™*                                 | 89127              | group G; type 1  |
| <i>Streptococcus bovis</i> ATCC® 33317™*                                     | 89061              |  |
| <i>Streptococcus dysgalactiae</i> subsp. equisimilis ATCC® 12388™*           | 89128              | group C  |
| <i>Streptococcus mitis</i> ATCC® 6249™*                                      | 89129              |  |
| <i>Streptococcus mutans</i> ATCC® 25175™*                                    | 89062              |  |
| <i>Streptococcus pneumoniae</i> ATCC® 27336™*                                | 89063              |  |
| <i>Streptococcus pneumoniae</i> ATCC® 49619™*                                | 89047              | low level penicillin resistance by oxacillin test              |
| <i>Streptococcus pyogenes</i> ATCC® 19615™*                                  | 89048              | group A  |

**CultiControl™** freeze-dried microorganisms

Packaging: 1 vial containing 5 pellets

Non-enumerated CFU

Applications: Culture purposes, QC of ID devices, QC of AST devices



| Description  | CultiControl™ Ref. | notes                   |
|--|--------------------|-------------------------|
| <i>Streptococcus pyogenes</i> ATCC® 49399™*                              | 89130              | group A                 |
| <i>Streptococcus salivarius</i> ATCC® 13419™*                            | 89131              |                         |
| <i>Streptococcus sanguinis</i> ATCC® 10556™*                             | 89064              |                         |
| <i>Trichophyton mentagrophytes</i> ATCC® 9533™*                          | 89140              |                         |
| <i>Vibrio alginolyticus</i> ATCC® 17749™*                                | 89144              |                         |
| <i>Vibrio parahaemolyticus</i> ATCC® 17802™*                             | 89056              |                         |
| <i>Yersinia enterocolitica</i> subsp. <i>enterocolitica</i> ATCC® 9610™* | 89050              | biovar 1; serogroup O:8 |

...  
 More Culti-Control™ microorganisms will be soon available.  
 ...



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**Quanti-CultiControl™ freeze-dried microorganisms**

Packaging: 1 vial containing 1 pellet + 1 rehydration fluid vial

Quantitative: <100 CFU / 0.1 mL inoculum

Applications: Growth Promotion Testing, Microbial Limits Testing, Microbial Enumeration Testing



| Description   | Quanti-CultiControl™ Ref. | notes                     |
|---|---------------------------|---------------------------|
| <i>Aspergillus brasiliensis</i> ATCC® 16404™*                                 | 89501                     |                           |
| <i>Bacillus cereus</i> ATCC® 10876™*  | 89502                     |                           |
| <i>Bacillus subtilis</i> subsp. spizizenii ATCC® 6633™*                       | 89503                     |                           |
| <i>Bacteroides fragilis</i> ATCC® 25285™*                                     | 89505                     |                           |
| <i>Bifidobacterium animalis</i> subsp. animalis ATCC® 25527™*                 | 89539                     |                           |
| <i>Brevundimonas diminuta</i> ATCC® 19146™*                                   | 89506                     |                           |
| <i>Burkholderia cepacia</i> ATCC® 25416™*                                     | 89507                     |                           |
| <i>Candida albicans</i> ATCC® 10231™*   | 89508                     |                           |
| <i>Candida albicans</i> ATCC® 14053™*   | 89509                     |                           |
| <i>Candida albicans</i> ATCC® 2091™*  | 89510                     |                           |
| <i>Clostridium perfringens</i> ATCC® 13124™*                                  | 89512                     |                           |
| <i>Clostridium sporogenes</i> ATCC® 11437™*                                   | 89513                     |                           |
| <i>Clostridium sporogenes</i> ATCC® 19404™*                                   | 89514                     |                           |
| <i>Enterobacter aerogenes</i> ATCC® 13048™*                                   | 89516                     |                           |
| <i>Enterococcus faecalis</i> ATCC® 29212™*                                    | 89517                     |                           |
| <i>Enterococcus faecalis</i> ATCC® 7080™*                                     | 89518                     |                           |
| <i>Escherichia coli</i> ATCC® 8739™*  | 89519                     |                           |
| <i>Geobacillus stearothermophilus</i> ATCC® 12980™*                           | 89521                     |                           |
| <i>Geobacillus stearothermophilus</i> ATCC® 7953™*                            | 89522                     |                           |
| <i>Kocuria rhizophila</i> ATCC® 9341™*  | 89523                     |                           |
| <i>Lactobacillus fermentum</i> ATCC® 9338™*                                   | 89524                     |                           |
| <i>Listeria monocytogenes</i> ATCC® 19115™*                                   | 89525                     | serotype 4b               |
| <i>Micrococcus luteus</i> ATCC® 4698™*  | 89526                     |                           |
| <i>Pseudomonas aeruginosa</i> ATCC® 27853™*                                   | 89527                     |                           |
| <i>Pseudomonas aeruginosa</i> ATCC® 9027™*                                    | 89528                     |                           |
| <i>Salmonella enterica</i> subsp. enterica serovar Choleraesuis ATCC® 10708™* | 89529                     |                           |
| <i>Salmonella enterica</i> subsp. enterica serovar Typhimurium ATCC® 14028™*  | 89531                     |                           |
| <i>Salmonella enterica</i> subsp. enterica serovar Typhimurium ATCC® 13311™*  | 89530                     |                           |
| <i>Salmonella enterica</i> subsp. enterica serovar Abony NCTC 6017            | 89532                     |                           |
| <i>Staphylococcus aureus</i> subsp. aureus ATCC® 25923™*                      | 89533                     | recommended for CAMP test |
| <i>Staphylococcus aureus</i> ATCC® 6538™*                                     | 89535                     |                           |
| <i>Staphylococcus aureus</i> ATCC® 6538P™*                                    | 89534                     |                           |
| <i>Staphylococcus epidermidis</i> ATCC® 12228™*                               | 89537                     |                           |
| <i>Streptococcus pyogenes</i> ATCC® 19615™*                                   | 89538                     | group A                   |



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