

Quanti-CultiControl

The Quanti-CultiControl are lyophilized, quantitative microorganism preparations to be used in industrial laboratories for Quality Control purposes. Processed as directed, these preparations provide a challenge of <100 CFU per 0.1 mL, which is a concentration usually suitable for several pharmaceutical applications, including growth promotion testing of culture media to be employed in sterility testing. These microorganism preparations are derived from the American Type Culture Collection (ATCC®) or other authentic reference culture collection.

The Quanti-CultiControl are suitable for the Growth Promotion Test recommended by the international Pharmacopoeiae, without need of intermediate dilution steps, since each rehydrated suspension generates less than 100 UFC for 0.1 mL inoculum. Each suspension (1 mL) allows 10 inocula.

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1.

Remove the vial of lyophilized pellet from the refrigerator (2-8 °C). Allow the materials to equilibrate to room temperature (about 30 minutes) before opening the vial.



2.

While the pellets are equilibrating, prewarm the hydrating fluid to 34-38°C (at least 30 minutes).



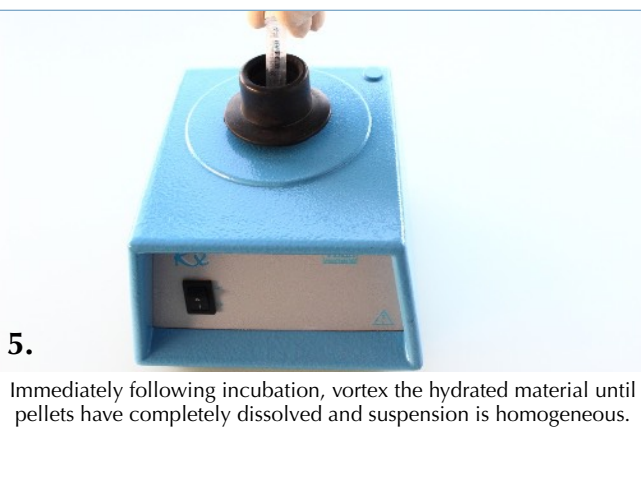
3.

With a sterile forceps, transfer the pellet into the 1 mL vial of hydrating fluid. Do not remove the desiccant from vial. One pellet must be used to obtain the challenge concentration of 10–100 CFU per 0.1 mL on non-selective media.



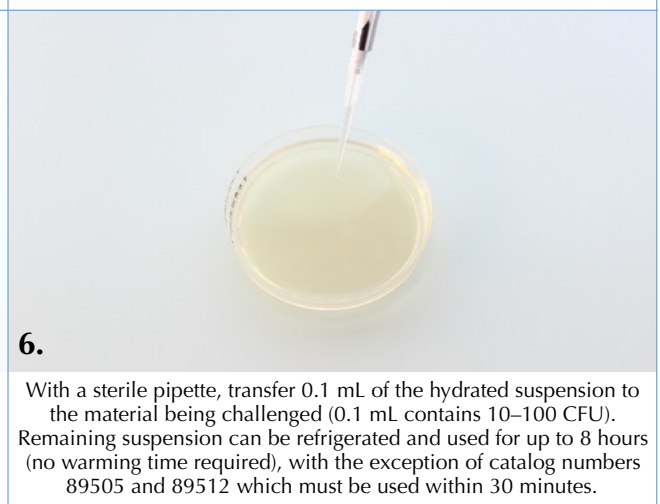
4.

Immediately recap the vial with the hydrated material and place into a 34-38 °C incubator for 30 minutes to ensure complete hydration.



5.

Immediately following incubation, vortex the hydrated material until pellets have completely dissolved and suspension is homogeneous.



6.

With a sterile pipette, transfer 0.1 mL of the hydrated suspension to the material being challenged (0.1 mL contains 10–100 CFU). Remaining suspension can be refrigerated and used for up to 8 hours (no warming time required), with the exception of catalog numbers 89505 and 89512 which must be used within 30 minutes.

7. Proceed with the challenge procedure according to laboratory protocol.

Discard any remaining hydrated material in accordance with the laboratory protocol for disposal of biohazard materials.



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Microbiology Products since 1983

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

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