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.

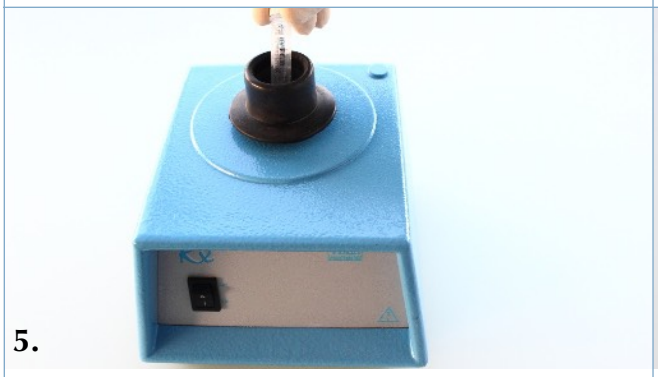
The Quanti-CultiControl are suitable for the Growth Promotion Test recommended by the international Pharmacopoeiae, without need of intermediate dilution steps, since each rehydrated suspension generates less than 100 UFC for 0.1 mL inoculum. Each suspension (1 mL) allows 10 inocula.

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.

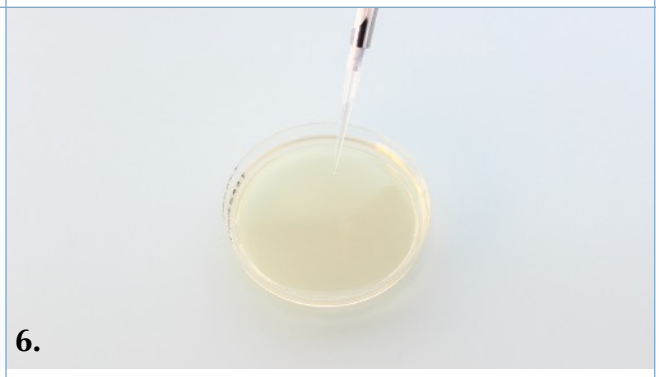
2. While the pellets are equilibrating, prewarm the hydrating fluid to 34-38°C (at least 30 minutes).

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).

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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Liofilchem s.r.l.
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www.liofilchem.com

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

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