



Quality Control Organisms

Quanti-Cult Plus



Performance Qualification of Microbiological Culture Media

Quanti-Cult Plus™ provides quality control organisms in an easy-to-use format, consisting of preserved American Type Culture Collection (ATCC®) strains and pre-dispensed rehydration fluid ready to use in QC procedures.

Unlike other systems, Quanti-Cult Plus complies with the pharmacopoeial recommendation for viable micro-organisms used in inoculation to not exceed five passages from the original master seed-lot, so avoiding the potential for phenotypical inconsistencies.

Quanti-Cult Plus ensures conformance to pharmacopoeial requirements (EP/USP/JP)¹; each set reproducibly delivering <100 colony forming units (CFU) as ten 0.1 ml inocula.

This:

- Eliminates inaccuracies inherent in performing serial dilutions
- Provides scalability when validation protocols mandate the need for multiple assay runs.



Quality Assured

Quanti-Cult Plus ATCC® strains are prepared as follows:



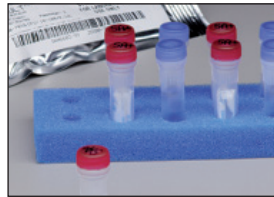
Passage 0

ATCC® freeze dried vial



Passage 1

Fifteen plates grown up - plates harvested and stored at -70°C



Passage 2

Vials prepared from "start" plates from -70°C stock



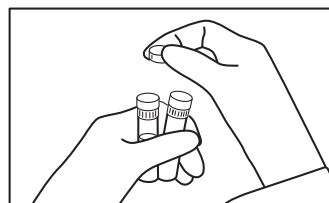
Passage 3

Organisms rehydrated and used in performance qualification of microbiological culture media

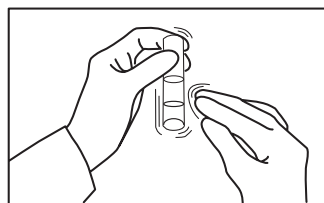
Ease of Use

By eliminating the time consuming bench work associated with serial dilution steps and stock culture maintenance, Quanti-Cult Plus reduces the procedure time from 2-3 days to 15 minutes, saving time as well as money.

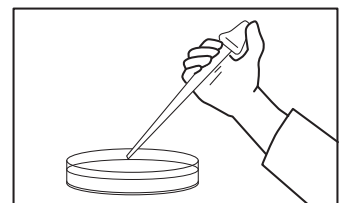
Simple 3 step method – Rehydrate; Incubate; Dispense – eliminating the growth period and dilution steps.



1. Rehydrate



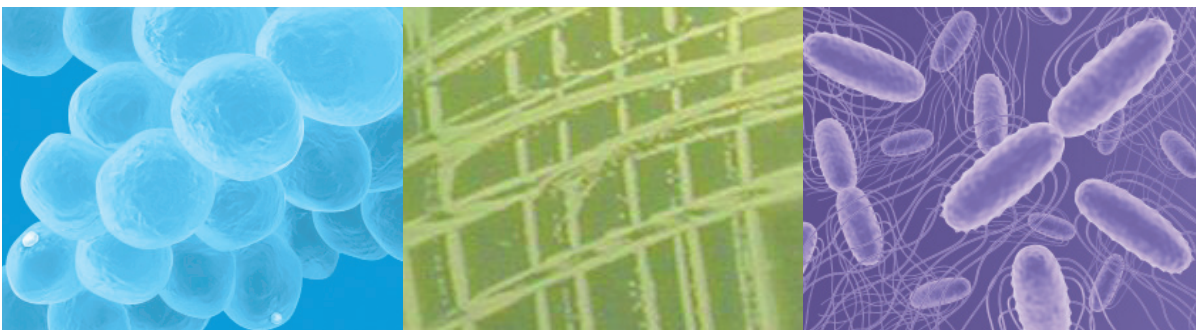
2. Incubate for 15 min; mix well



3. Pipette/decant

Additional Benefits of Quanti-Cult Plus

- Consistent counts are an inherent benefit of the product, standardizing CFU among all personnel performing QC procedures, reducing errors during use and enhancing organism recovery.
- Consistent counts are achieved for up to 8 hours following rehydration if stored at 2 to 8°C.
- No freezer storage is required.
- There are no hidden costs, as the vial and rehydration fluid are provided in the same pack.
- There is no need for sharps, pipettes or forceps.
- Transferable labels allow fast and accurate documentation.



Pack Size and Vial Volume

- Pack holds 10 vials, providing 10 tests per vial, delivering <math><100</math> CFU in each of 10 inocula of 0.1ml. The total volume per vial is 1.1ml.



Other Oxoid Quality Control Applications

Culti-Loops™ are ready to use, disposable inoculation loops containing stabilized, preserved, viable micro-organisms. A quality source of stock organisms, Culti-Loops are derived from American Type Culture Collection (ATCC®) or clinical, environmental, and industrial isolates. During the process, micro-organisms are affixed directly to the disposable inoculating loop. The loop may be dissolved in rehydration fluid or streaked directly onto appropriate media.

- Over 240 organisms available.




Ordering Information

Quanti-Cult Plus strains for pharmaceutical, industrial and clinical QC

Micro-organism	Quanti-Cult Plus Strain	Code
<i>Staphylococcus aureus</i>	ATCC® 6538™*	Q7016C
<i>Pseudomonas aeruginosa</i>	ATCC® 9027™*	Q5210C
<i>Bacillus subtilis</i>	ATCC® 6633™*	Q1221C
<i>Candida albicans</i>	ATCC® 10231™*	Q1503C
<i>Aspergillus brasiliensis</i> (formerly <i>A. niger</i>)	ATCC® 16404™*	Q1100C
<i>Escherichia coli</i>	ATCC® 8739™*	Q7085C
<i>Salmonella enterica subsp. enterica serovar</i> Typhimurium	ATCC® 14028™*	Q6000C†
<i>Salmonella enterica subsp. enterica serovar</i> Typhimurium	ATCC® 13311™*	Q6100C
<i>Salmonella enterica subsp. enterica serovar</i> Abony	NCTC® 6017	Q6007C
<i>Clostridium sporogenes</i>	ATCC® 11437™*	Q1703C
<i>Brevundimonas diminuta</i>	ATCC® 19146™*	Q1300C†
<i>Candida albicans</i>	ATCC® 2091™*	Q1601C
<i>Clostridium sporogenes</i>	ATCC® 19404™*	Q1700C
<i>Enterococcus faecalis</i>	ATCC® 29212™*	Q7030C
<i>Enterococcus faecium</i>	ATCC® 35667™*	Q1956C†
<i>Kocuria rhizophila</i> (formerly <i>M. luteus</i>)	ATCC® 9341™*	Q4075C
<i>Burkholderia cepacia</i>	ATCC® 25416™*	Q5220C
<i>Salmonella enterica subsp. enterica serovar</i> Choleraesuis	ATCC® 10708™*	Q9001C†
<i>Serratia marcescens</i>	ATCC® 8100™*	Q8001C†
<i>Shigella sonnei</i>	ATCC® 25931™*	Q6300C†
<i>Staphylococcus aureus</i>	ATCC® 6538P™*	Q9002C
<i>Staphylococcus aureus</i>	ATCC® 29737™*	Q7020C†
<i>Staphylococcus epidermidis</i>	ATCC® 12228™*	Q6500C
<i>Streptococcus pyogenes</i>	ATCC® 19615™*	Q7000C†

† Not a stock item; please contact your local representative for details of availability.

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Reference:

1. US Pharmacopoeia, European Pharmacopoeia, Japanese Pharmacopoeia: Current versions.



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