



# 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)<sup>1</sup>; 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:



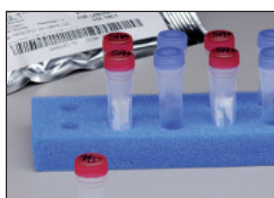
### Passage 0

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



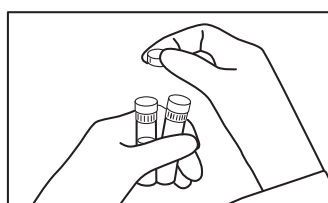
### Passage 3

Organisms rehydrated and used in performance qualification of microbiological culture media

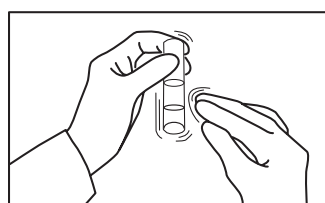
## Ease of Use

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.

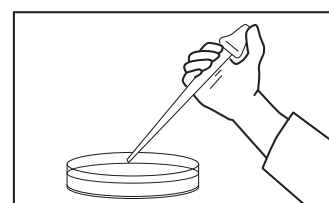
Simple 3 step method – Rehydrate; Incubate; Dispense – eliminating the growth period and dilution steps.



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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