

QUANTI-CULT PLUS
QC Organisms



Key Code TSMX4975H

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EN

USE

This product contains a specified number of preserved microorganisms for use in quality control procedures^{1,3}. Colony forming units (CFUs) are specified under defined procedures and growing conditions and cannot be guaranteed under other conditions. Results may vary with more inhibitory or selective media or with the same medium if of inferior quality. This product is for laboratory use only.

DESCRIPTION

Each kit contains 10 preserved organism vials (each in a separate foil pouch) and 10 rehydrating vials. The cap (red) of each preserved organism vial contains a film of microorganisms. The microbial film can be seen through the red cap as a black area inside the black 'O' ring of the cap. Rehydrating fluid is contained in the vial with the blue cap.

PRECAUTIONS

Quanti-Cult Plus contains live microorganisms and should be used only by individuals with microbiological training. Properly disinfect any spills and sterilize used containers by autoclaving before final disposal.

STORAGE

Both rehydrating fluid and microorganisms should be stored at refrigerator temperature (2-8°C) until time of analysis. Allow product to equilibrate to room temperature before use. Do not incubate prior to use.

EXPIRATION DATE

The reagents are stable until the expiration date on the label, when stored as directed.

EVIDENCE OF DETERIORATION

Each Quanti-Cult Plus (red cap) should contain an intact dried film. Do not use if the film has come out of the cap or shows evidence of hydration.

TO REHYDRATE

1. Remove vials from the refrigerator. Place the rehydrating fluid vial (blue cap) in a 35-37°C incubator to warm.
2. Allow the vial (red cap) containing the microbial film to equilibrate to room temperature, within the foil pouch.

3. Remove the vial (red cap) containing the microbial film from the pouch.
4. Remove and discard the blue cap from the rehydrating fluid.
5. Remove the red cap containing the microorganisms and transfer to the rehydrating fluid vial. Tighten cap.
6. Invert this vial, tap to be sure liquid is in contact with the inside of the cap, and place in 35-37°C incubator in an INVERTED position for 15 minutes* to dissolve the preserved microorganisms. Autoclavable polyester racks (sold separately R4700001) may be used to hold the vials in an inverted position. Please note that foam is an efficient insulating material and will retard warming or cooling of liquids.
7. Grasp bottom of vial, hold firmly in an inverted position, tap cap gently to mix suspension and aid dissolution. Excessive vigorous shaking will produce foam.

***CAUTION**

Look at the cap to make certain that all of the microorganisms are in solution. Undissolved intact black particles can be seen through the plastic cap and/or vial. If this happens, reinvert the vial and place back in the incubator and observe closely every 1 to 2 minutes for complete dissolution. Undissolved microbial film will cause reduced counts but prolonged heating may also result in incorrect counts.

INOCULATION AND SAMPLE ANALYSIS

Quanti-Cult Plus is designed to deliver ten 100µL inocula each containing <100 CFUs from a single source.

Quanti-Cult Plus is suitable for evaluation of culture media used for growth promotion and/or bacteriostasis and fungistasis procedures², other media³, or quality control of any quantitative microbiological procedure².

Note: Cell suspensions should be used within 30 minutes of rehydration, or may be kept for up to 8 hours, if stored at 2-8°C.

Hold the rehydrated suspension at room temperature throughout the 30 minute use period. Re-mix sample between withdrawals. When inoculating or transferring to a liquid matrix, it is advisable to have the receiving liquid pre-warmed to 35-37°C. Dispensing into a cold liquid may interfere with even distribution of the microorganisms.

REFERENCES

1. United States Pharmacopeia 2011. 34-NF 29. United States Pharmacopeial Convention, Rockville, MD.
2. Eaton, A.D., L.S. Clesceri, E.W. Rice, and A.E. Greenberg. 2005. Standard Methods for the Examination of Water & Wastewater. 21ST ed. APHA, Washington D.C.
3. Food and Drug Administration. 2000. Bacteriological Analytical Manual Online. Chapter 7, revised January 2001. Authors: Hunt, J.M., C. Abeyta, and T. Tran. AOAC International, Gaithersburg, MD.

Quanti-Cult Plus

Each kit (plastic sleeve) contains 10 foil pouches with 1 preserved organism vial in each (10 applications per vial).

Each application is designed to deliver <100 CFU/0.1mL. Total diluent volume per vial is 1.2mL.

Note: The organisms used in Quanti-Cult Plus are derived from original ATCC[®] stock cultures* according to the number shown.

Quanti-Cult Plus is manufactured by Remel Inc., 12076 Santa Fe Trail Drive, Lenexa, KS 66215, USA. Remel Inc. is an FDA approved company. FDA Registration No: 1625984.

Quanti-Cult Plus is a registered trademark of Thermo Fisher Scientific and its subsidiaries.



*Look for the ATCC Licensed Derivative Emblem[®] for products derived from ATCC[®] cultures.

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Symbol Legend

	Catalog Number
	In Vitro Diagnostic
	Instructions For Use (IFU)
	Storage Temperature
	Batch Code (Lot Number)
	Use By (Expiration Date)
	For Laboratory Use
	Biological Risk
	Manufacturer