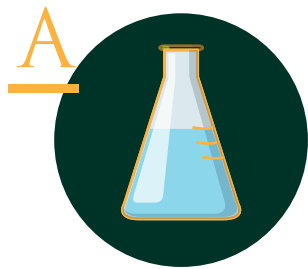




SOUTH
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CORPORATION

INSTRUCTIVE QUANTIFICATION OF BACTERIA AND TOTAL SPORES IN THE BALANCED

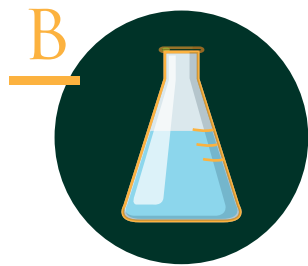
The dilution will depend on the concentration of the product. If the balance has 10^7 CFU/g, choose the 10^{-5} and 10^{-6} dilutions. The best dilution is where not less than 20 and not more than 300 colonies per plate are obtained.



10^{-1}

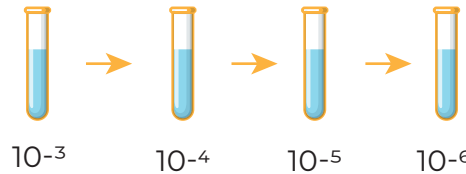
1. Weigh 10 grams of balanced that have spores, grind in a sterile mortar and place it in a 250 mL flask with magnet with 90 mL resuscitation solution + magnet. Homogenize for 5 minutes.

10ml



10^{-2}

Dilution of the sample by passing 1 mL of the last vial to test tubes with 9 mL of sol. successive resuscitation.



0.1ml 0.1ml



2. Dilute 10 ml of Fiola (A) to new sterile Fiola (B) with 90 ml Magneto Resuscitation medium. Homogenize 10 minutes using magneto

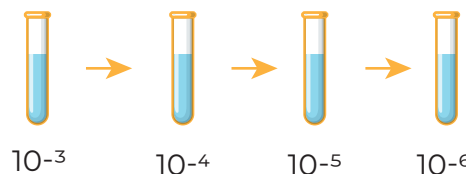
Sterilize the mortar with alcohol and then flame it and let it cool

Multiply this dilution x number of colonies express as Total Bacteria

Treatment to select spores

60 minutes at 45 °C. Then 15 min at 70 °C.

Dilution of the sample by passing 1 mL of the last vial to test tubes with 9 mL of sol. successive resuscitation.



0.1ml 0.1ml



Multiply this dilution x number of colonies expressing with total spore-forming