

Table 1: 100-fold Serial Dilutions Results

Dilution	Agar Type	Colonies Counted	Conversion Factor	Colonies/mL
10^{-3}	Nutrient	800	$\times 10^3$	8.0×10^5
10^{-5}	Nutrient	55	$\times 10^5$	5.5×10^6
10^{-7}	Nutrient	2	$\times 10^7$	2.0×10^7
10^{-9}	Nutrient	0	$\times 10^9$	0
10^{-3}	Nutrient + TET	120	$\times 10^3$	1.2×10^5
10^{-5}	Nutrient + TET	13	$\times 10^5$	1.3×10^6
10^{-7}	Nutrient + TET	0	$\times 10^7$	0
10^{-9}	Nutrient + TET	0	$\times 10^9$	0

Table 2: Bacteria Characterization

Colony Label	Plate Type	Colony Description	Cell Description	Gram + or -
1	TET 10^{-5}	1/2mm, circular, orange and raised	Coccus, motile	Gram + (purple)
2	TET 10^{-5}	½ mm, circular, orange and raised. Same as Colony 1 but located on other side of the plate.	Non moving, bacillus	Gram + (purple)
3	Agar 10^{-5}	½ raised orange and circular	Coccus, mobile, floating	Gram – (pink)
4	Agar 10^{-5}	½ raised, white and circular	Bacillus, motile, randomly clustered	Gram – (pink)