

Bacteria Characterization

	Plate Type	Colony Description	Cell Description	Gram + or -	Additional notes
10 ⁻²	tetracycline	Lobate Edge Smooth, glistening Rhizoid Colony Flat/Convex	N/A	-	.1-.4 cm diameter
10 ⁻²	No tet	Irregular Undulate Raised Smooth/Shiny	N/A	-	.3 cm diameter
10 ⁻⁴	tetracycline	Circular Colony Entire Edge Smooth/Glistening Pulvinate	N/A	-	.5 cm diameter
10 ⁻⁴	No tet	Irregular Undulate Raised Smooth/Shiny	N/A	-	8.5 cm diameter (lawn)

Fig. 1.

Each agar plate was examined under a microscope and samples were taken to be seen under a higher objective. The cell description is not given because the equipment used caused the experiment to be very difficult. In the time frame given, we could not complete the cell description. After a valiant try, we concluded that the resources available were not powerful enough, nor was our skill high enough to complete the difficult task of examining the extremely small bacteria. The cell description includes the following (not in order): whole colony shape, edge shape, elevation, and surface description.