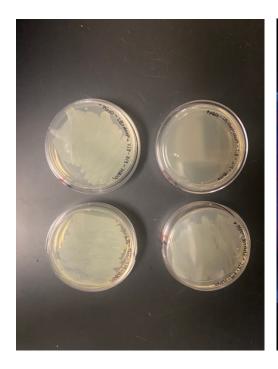
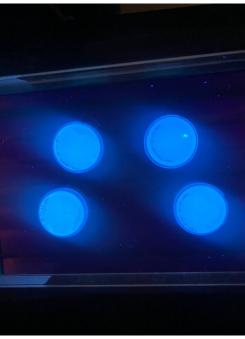
Bacterial Transformation Mohana Greeshma Gudhimalla 04/14/2023.

The experimental results were successful in all plates except in the plate where there is no pGLO, LB, and Amp. The results predicted were 0 because the ampicillin antibiotic would not provide an environment for growth without the presence of pGLO, but the experiment resulted in colonies too numerous to count (TNTC) because of non-functional ampicillin.

Plates	Plasmid added	Colony number	Colony
Characteristics			fluorescence
-, LB,	No	TNTC	no
-, LB, Amp	No	TNTC	no
+, LB, AMP	Yes	TNTC	no
+, LB, Amp Ava	Yes	a	Yes





- DNA plasmid concentration: __0.06 __ μg/μl
- Cells incubated with 400 µl CaCl2 transformation solution and split into two tubes
- _5 µl pGLO plasmid solution to the tube of +pGLO
- _____000__ μl LB broth
- 100 µl cells spread on agar
- 2 colonies of transformants on the LB/amp plate

Fraction of DNA used (0.5 pts) = 0.2469