Antibiotic Sensitivity (Ampicillin) - 15 µl of untransformed BL21(DE3) Competent *E. coli* streaked onto a Rich Broth plate containing Ampicillin will not form colonies after incubation for 16 hours at 37°C.

**Pass**

Antibiotic Sensitivity (Chloramphenicol) - 15 µl of untransformed BL21(DE3) Competent *E. coli* streaked onto a Rich Broth plate containing Chloramphenicol will not form colonies after incubation for 16 hours at 37°C.

**Pass**

Antibiotic Sensitivity (Kanamycin) - 15 µl of untransformed BL21(DE3) Competent *E. coli* streaked onto a Rich Broth plate containing Kanamycin will not form colonies after incubation for 16 hours at 37°C.

**Pass**

Antibiotic Sensitivity (Spectinomycin) - 15 µl of untransformed BL21(DE3) Competent *E. coli* streaked onto a Rich Broth plate containing Spectinomycin will not form colonies after incubation for 16 hours at 37°C.

**Pass**

Antibiotic Sensitivity (Streptomycin) - 15 µl of untransformed BL21(DE3) Competent *E. coli* streaked onto a Rich Broth plate containing Streptomycin will not form colonies after incubation for 16 hours at 37°C.

**Pass**

Antibiotic Sensitivity (Tetracycline) - 15 µl of untransformed BL21(DE3) Competent *E. coli* streaked onto a Rich Broth plate containing Tetracycline will not form colonies after incubation for 16 hours at 37°C.

**Pass**

Phage Resistance (Φ 80) - 15 µl of untransformed BL21(DE3) Competent *E. coli* streaked onto a Rich Broth plate does not support plaque formation by phage Φ 80 after incubation for 16 hours at 37°C.

**Pass**

Transformation Efficiency - 50 µl of BL21(DE3) Competent *E. coli* cells were transformed with 100 pg of pUC19 DNA using the transformation protocol provided. Incubation overnight on LB-Ampicillin plates at 37°C resulted in >1 x 10^7 cfu/µg of DNA.

**Pass**