

pGLO Transformation Efficiency

Answer Sheet

1. Total # of Cells _____

Total amount of DNA(μg) _____

Fraction of DNA _____

pGLO DNA spread(μg) _____

Number of colonies on LB/amp/ara plate =	
Micrograms of pGLO DNA spread on the plates	

Transformation Efficiency = _____

Analysis

*How would scientists report 10,000 transformants/ μg in scientific notation?

*How would scientists report 40,000 transformants/ μg in scientific notation?

*How would scientists report 960,000 transformants/ μg in scientific notation?

*Report your calculated transformation efficiency in scientific notation.

*Use a sentence or two to explain what your calculation of transformation efficiency means.

*How does your transformation efficiency compare with the standard?

Team	Efficiency

*How does your transformation efficiency compare with the other teams in class?

Number of colonies on LB/amp/ara plate =
Micrograms of DNA spread on plates =
Transformation efficiency =