



4. Incubate cell plate at 37°C for 24 hours, If the polybrene is toxic, test shorter exposure times (minimum ~2 hours).
5. Replace medium with complete culture medium for untransduced cell and complete culture medium containing puromycin (concentrations depend on cell type) for transduced cell (MOI 2 & 6).
6. Grow cells at 37°C for an additional 48 hours then check toxicity by counting viable cells.
7. Remove medium, add 100ul of phenol red free DMEM medium containing 10% MTS. Incubate at 37°C for 0.5-3hrs.
8. Record the absorbance at 490 nm using a 96-well plate reader.
9. Determine the optimal polybrene concentration by choosing the concentration that results in lowest cell toxicity compared to no polybrene adding cell and maximal viability in transduced cells.