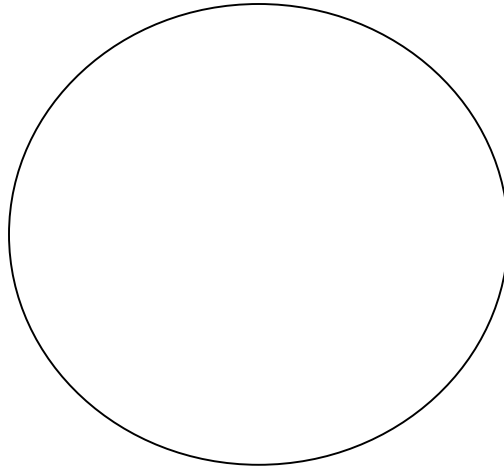


# Ligating into pGEMt



5 $\mu$ L pGEMt vector  
1 $\mu$ L sample DNA  
1 $\mu$ L ligase  
5 $\mu$ L 2X buffer  
2.5 $\mu$ L H<sub>2</sub>O

Let sit at room temperature for at least 30 minutes. Do transformation on ligation as normal.

**To plate:**

Add 30 $\mu$ L x-gal to each plate. Spread with glass beads. Wait 5 minutes, then spread 150 $\mu$ L of transformation on to each plate.

\*\*X-gal is what makes the blue-white selection of the pGEMt system. It is found in the freezer by the incubators, in the blue shelf box. (It is in the shelf marked x-gal). It is also light sensitive, which is why it is wrapped in aluminum foil.