**CHEM525 Experiment 6 PreLab**

**Buffer Preparation**

1. Describe how the IPTG-induced protein expression system works in *E. coli*.
2. Describe how you will prepare 1 L of 25 mM Tris Buffer at pH 8.0. You will have access to Tris base (MW 121 g/mol) and Tris-HCl (MW 157.56 g/mol).
3. What mass of imidazole do you need to make a 250 mL of 200 mM imidazole?