**Class Average Results:**

T=5 2542 colonies, 24 ampR lacZ- (0.94%)

T=20 216 colonies, 39 ampR lacZ- (18%)

**Controls (no mutagen)**

T=5 5,000 colonies, 0 ampR lacZ- (<0.02%)

T=20 5,000 colonies, 1 ampR lacZ- (0.02%)

So, the 5 minute mutagenesis resulted in ~50% plasmid inactivation (class data vs control) and approximately 1% mutagenesis to lacZ deficient colonies

So, the 20 minute mutagenesis resulted in ~96% plasmid inactivation (class data vs control) and approximately 18% mutagenesis to lacZ deficient colonies

This is an extremely high rate of mutagenesis and is actually the best data obtained over 5 years of doing this experiment.