Prepare all entries in your notebook through 5b as directed in the syllabus and your lab manual. Remember to adapt your procedure and tables for your assigned solutions from table 1 & 2 below **Calculate the initial concentrations of acid & base for one of the solutions (4 or 5) prior to lab.**

**Table 1.** Assignments section 002 Th am.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| group/bin # | who? | acid | base | solutions |
| 1 |  | 0.25 M CH3CO2H | 0.25 M C2H3O2Na | odd numbers |
| 2 |  | 0.25 M NH4Cl | 0.25 M NH3 | odd numbers |
| 3 |  | 0.25 M Histidine HCl | 0.25 M Histidine  | odd numbers |
| 4 |  | 0.25 M CH3CO2H | 0.25 M C2H3O2Na | even numbers |
| 5 |  | 0.25 M NH4Cl | 0.25 M NH3 | even numbers |
| 6 |  | 0.25 M Histidine HCl | 0.25 M Histidine  | even numbers |
| 7 |  | 0.25 M NH4Cl | 0.25 M NH3 | 2, 4, 5, 6 & 8 |

**Table 2.** Assignments section 003 Th pm.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| group/bin # | who? | acid | base | solutions |
| 1 |  | 0.25 M Histidine HCl | 0.25 M Histidine  | odd numbers |
| 2 |  | 0.25 M CH3CO2H | 0.25 M C2H3O2Na | odd numbers |
| 3 |  | 0.25 M NH4Cl | 0.25 M NH3 | odd numbers |
| 4 |  | 0.25 M Histidine HCl | 0.25 M Histidine  | even numbers |
| 5 |  | 0.25 M CH3CO2H | 0.25 M C2H3O2Na | even numbers |
| 6 |  | 0.25 M NH4Cl | 0.25 M NH3 | even numbers |
| 7 |  | 0.25 M Histidine HCl | 0.25 M Histidine  | 3, 5, 6, 7 & 9 |
| 8 |  | 0.25 M CH3CO2H | 0.25 M C2H3O2Na | 2, 4, 5, 6 & 8 |