**Treatment against TMV – from Maloof Lab**

* Materials:

1. Eppie tubes or hystology cartridges depending on seed size.
2. 50% HCl
3. 10% TSP (trisodium phosphate). TSP is inexpensive to purchase at hardware stores (~$10 for 4.5 lb); beware of mislabeling as some products labeled TSP have no TSP at all. Savogran brand TSP is 80% TSP, 20% sodium carbonate.
4. DI water

**You don’t have to do this part in the laminar flow hood, bench top is fine. But HCl can emit strong fumes, so you can do step 1 in the fume hood.**

1. Soak seeds in 50% HCl for 10 min
2. Rinse with sterile water (1x)
3. Soak seeds in 10% TSP for 15 min
4. Rinse with sterile water (3x if you are stopping at this point, 1x if you are moving on to seed sterilization step)
5. If you are stopping at this point, dry seeds on bench top before storing