**Competition Assays**

From liquid cultures

1. Make a spread plate of Strain A on an LB plate by swabbing the liquid culture across the plate in all directions with a sterile swab(?).
2. Add 5 µl drop of Strain B on top of dry Strain A spread.

*Note*: mark with a circle and a letter designation, assign definition in notebook.

1. Repeat step 2 for up to four (4) Strain B.
2. Add 5 µl drop of control (plain TSB liquid broth) on top of dry Strain A spread.
3. Repeat steps 1-4 to obtain at least three (3) replicates.
4. Allow plates to dry for 10 minutes and incubate plates at 28C for 24 hours.

**References:**

Evans, J. D., & Armstrong, T.-N. (2005). Inhibition of the American foulbrood

bacterium, Paenibacillus larvae larvae, by bacteria isolated from honey bees. *Journal of Apicultural Research*, *44*(4), 168–171. <https://doi.org/10.1080/00218839.2005.11101173>