Repeating Crumley: Day 8

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PHYSICS

Repeating Crumley: Day 8

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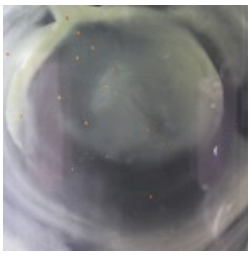
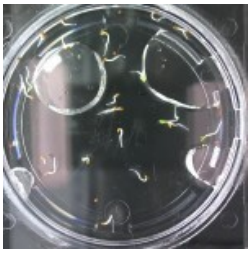
And the days go on and on and on…

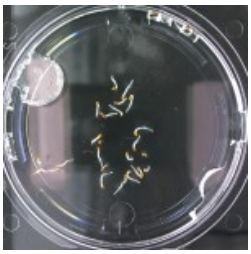


SEEDS IN DI WATER, USING BEESWAX TO SEAL THE LID

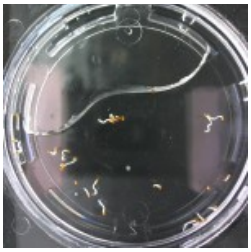
DI WATER NO SEEDS



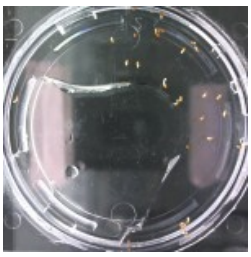
DDW



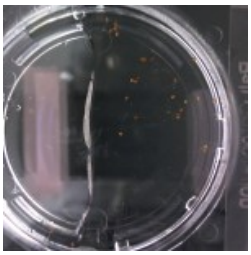
DI WATER



33% D2O



66% D2O



99.9% D2O

Pretty soon this experiment will be developing into something more and I'll be looking to write the results up from this experiment in multiple formats (stay tuned). Anyways onto the notes:

- As I mentioned in my other post from today I sealed these samples with nail polish. How that works out remains to be seen, but as you can see in the 99.9% D2O sample and the 66% D2O sample this was becoming an urgency.
- Because of the movement involved with the sealing, the seeds are now in different locations then they have been in the past pictures. This presents one new challenge, but shouldn't affect the results. It should be mentioned that I further agitated the seeds because in several samples (like the DDW sample) there were multiple bubbles and I wanted the seeds to be away from the water-air interface.
- In the DDW sample there are plenty of seeds that have shed the seed coat and this fact, along with the fact that I moved everything makes it hard to find the remaining one or two seeds that may/may not have begun germination. So until I notice little radicles I will keep the count the same. This goes for the DI Water sample as well.
- Finally make note that there is a new picture of a new sample which I also mentioned earlier. This sample is seeds in DI Water in a glass petri dish (much bigger than the analyslides) and sealed with beeswax. My folly is that I've discovered it is really hard to remove melted beeswax from other glass surfaces and I've tried boiling water and it is just not doing it. Oh woe is me!

Update: I also wanted to add one final note. I noticed yesterday that it seemed most of the seeds in the ddw sample were a little further along in their development than the seeds in the di water sample. The roots appeared longer and there are quite a number of seedlings without their seed coat (first leaves and such) in the ddw water.