

Mold lab

I trust that everyone performing the mold lab at home is checking their samples daily. If you have recorded any changes, please share them with me (then I will distribute the results to both classes). Remember that if you are not conducting the mold lab at home, it will be necessary to come to school before the end of day Wednesday as this is our lab finale. Also, I NEED TO REVIEW YOUR OBJECTIVE AND MATERIALS & METHODS SECTIONS TODAY OR TOMORROW. Please write and send these to me.

4/31 Students finished packing samples at 11:30 a.m.

5/1, 3:30 p.m. Mold was initially detected on the pancake and sweet potato (no salt added) at room temperature. The circular colony on the pancake had a diameter of 0.7 cm: it had a green interior and white/fuzzy margins. Mold on the sweet potato was only white (also fuzzy) and measured 1.8 cm (growth had occurred on the edge of the sweet potato – not a circular mass).

5/2, 9 a.m. The circular colony of mold on the pancake (room temperature) had a diameter of 0.9 cm. Whereas white mold on the room-temperature sweet potato (no salt added) had become dense and increased in size to 2.6 cm long and 1.5 cm high. Three oval colonies of fuzzy, white mold formed on the pineapple slice (room

temperature) and measured 0.4–0.5 cm (this is for the long axis). There was also a slight pink tint to part of the pineapple. Apple slices in both the refrigerator and at room temperature had become translucent in places.

5:10 p.m. The dense, white mold on the room-temperature sweet potato (no salt added) measured 2.9 cm and 1.5 cm high. Part of the pineapple slice measuring 3 cm across was a distinct pink color and the three, ovoid mold colonies had long axes measuring 0.6 cm. The white and green colony on the room-temperature pancake was still circular and had a diameter of 0.5 cm. Discolored points about the size of a pencil point had appeared in about eight other places on the pancake.

5/ 3, 8 a.m. The dense, white mold on the room-temperature sweet potato (no salt added) measured 3.2 cm and 1.5 cm high. Changes in the pineapple slice include: the pink area measured 5 cm across and there were four ovoid colonies of fuzzy white mold. The long axes of these measured 1 cm (original three colonies) and 0.2 cm (new colony). There were numerous circular mold colonies on the pancake. The original had a diameter of 1 cm and mounds had appeared on the surface. New colonies had diameters of ≤ 0.2 cm. There were also two discolored areas (circular) with diameters of 0.1 cm on a piece of the room-temperature corn bread. The bag of room-temperature apples slices contained a cloudy liquid. Finally, mayonnaise on the bread in both the refrigerator and at room temperature had a slight brownish tint.

5:33 p.m. The dense, white mold on the room-temperature sweet potato (no salt added) measured 3.2 cm, 1.7 cm high, and extended 1 cm outward from the potato. Also, at least 34 white, circular mold colonies with diameters of 0.1 cm dotted the surface surrounding the original colony. Changes in the pineapple slice include: the pink area measured 5.5 cm across and there were four ovoid colonies of fuzzy white mold. The long axes of these measured 1 cm (original three colonies) and 0.5 cm (new colony). One of the original colonies extended 0.4 cm from the pineapple slice. Numerous circular, mold colonies with white margins and green interiors dotted the pancake. Note that mold colonies have only grown on one side of the pancake. The original colony has a diameter of 1.1 cm and concentrations of other colonies that had grown in bands measured 0.6 and 0.8 cm long. Two dark-green circular mold colonies on a piece of the room-temperature corn bread had diameters of 0.2 cm. Finally, the liquid discharge in the bag of room-temperature apples contained bubbles.

5/4, 8 a.m. The dense, white mold on the room-temperature sweet potato (no salt added) measured 3 cm, 2 cm high, and extended 1 cm outward from the potato. As noted before, there are numerous colonies and the largest of these measured 0.5 cm across and sticks out 0.1 cm from the potato. At least a third of the pineapple slice has a pinkish tint. The ovoid white colonies are now dense, no longer fuzzy. Long axes of the original three colonies measured 1.2–1.3 cm (they extend up to 0.3 cm from the pineapple slice) and the new one was 0.8 cm (it extends 0.2 cm from the pineapple slice). Numerous circular

colonies of mold with white margins and green interiors dot one side of the pancake. The original colony had a diameter that measured 1.2 cm and it extends 0.1 cm from the pancake surface. The two largest concentrations of mold colonies form bands that are 0.8 and 2 cm long. Three pieces of room-temperature cornbread had circular mold colonies. The original two dots on one now had a large white halo with a diameter of 1 cm. Green dots that measured 0.1 and 0.2 cm were measured on the two other pieces. Although there is no mold in on the room-temperature apple slices, the bag is inflated like a balloon (there is no change to the refrigerated sample). Finally, there is a clear liquid rimming the room-temperature American cheese (no change was noted for the refrigerated sample).