Steps for the DNA Extraction Lab

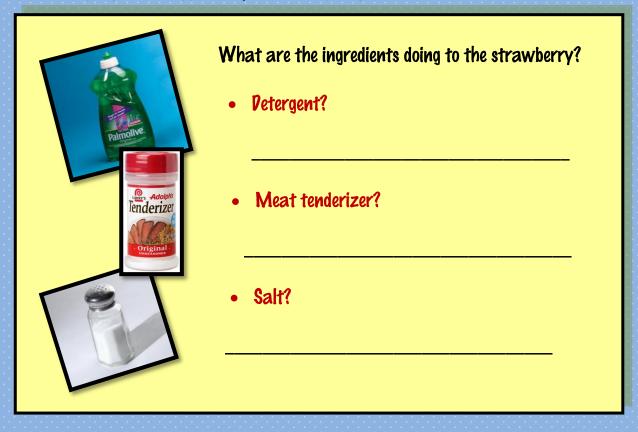


1. In baggie add:

- 1 mL NaCl (green spoon)
- 2 mL meat tenderizer (Green Spoon)
- 1 mL Pamolive detergent (green spoon)
- 9mL distilled H20 (Graduated cylinder)
- 1/2 thumb-sized piece of strawberry

*To avoid mess, add dry ingredients first, then the wet ones \odot

2. Tightly close baggie and pulverize! (gently)



3. Cut corner of the baggie to easily dispense the contents into a test tube.

4. While TILTING the test tube with strawberry mixture, carefully pour 2 - 3 pipettes of ethyl alcohol into fruit mixture, letting the alcohol run slowly on

the inside of the test tube.

5. Put test tube in the test tube holder and watch for the DNA to come out of the strawberry mixture. It will look like wet cotton.



Why do we need to add the ethyl alcohol?

6. Use the pipette to collect your PNA and put into a microcentrifuge container. Make sure to put a little alcohol into the container to keep your PNA from drying out.

7. With the help of a partner, get a necklace cord and thread it inside the container so you can WEAR your DNA @ home.

Caution!

Alcohol is very flammable! Please do not expose to a flame.