

- Cup
- Mashed banana
- Ziplock bag
- Water
- Salt
- Ethanol
- Detergent

Procedure

- Fill a cup with a 1/4 cup of water and a teaspoon of salt.
- Pour this saltwater into the bag, and close the bag. Gently mix and slosh the saltwater and mashed banana together for 30 to 45 seconds.
- Add a half of a teaspoon of detergent into the bag and mix around the contents gently. Avoid making the mixture to become too foamy.
- Carefully pour the contents of the bag into the cup.
- Slowly pour the alcohol down the side of the cup until there is a layer that is 1 centimeter thick.
- Let this two-layered mixture sit for eight minutes. Look for the cloudy layer which may have some tiny bubbles in it. The longer you wait, the more defined this layer becomes. This is the DNA pieces clumping together.

Reference

<http://www.scientificamerican.com/article/find-the-dna-in-a-banana-bring-science-home/>