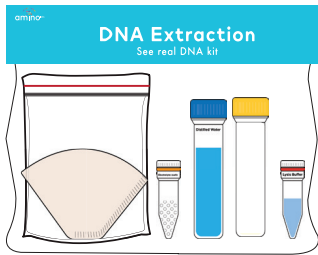


DNA Extraction Kit

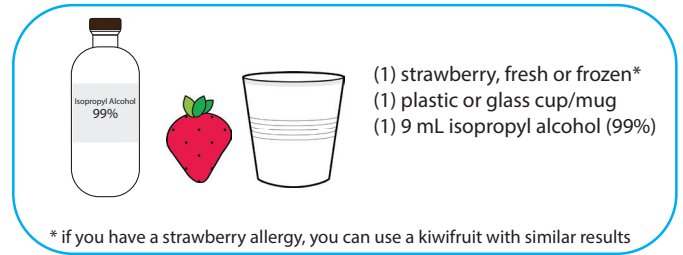
Instructions

Kit Contents



- (1) 10 mL tube sterile distilled water
- (1) 1.5 mL tube lysis buffer
- (1) Ziplock-style bag
- (1) filter paper
- (1) 0.3 g tube or sachet of electrolyte (salt!)
- (1) 10 mL tube to measure & hold isopropyl alcohol (99%)

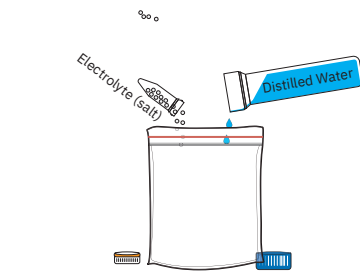
You Provide



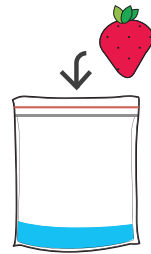
- (1) strawberry, fresh or frozen*
- (1) plastic or glass cup/mug
- (1) 9 mL isopropyl alcohol (99%)

* if you have a strawberry allergy, you can use a kiwifruit with similar results

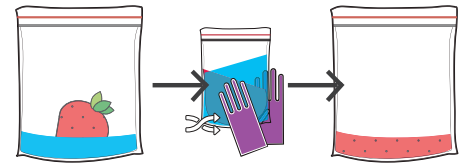
Remember! You should always wear gloves when doing science experiments! Have a look at our safe science guidelines for more safety information: www.amino.bio/safe-science



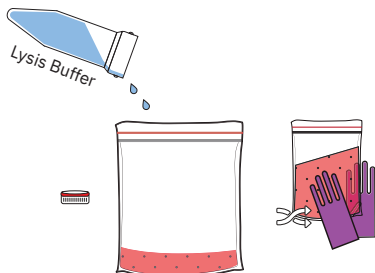
1. In the ziplock bag, add the distilled water and electrolyte (salt)



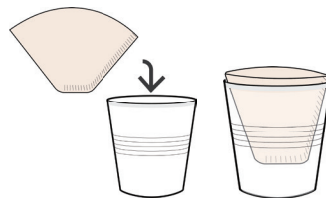
2. Find a nice strawberry and add it to the bag



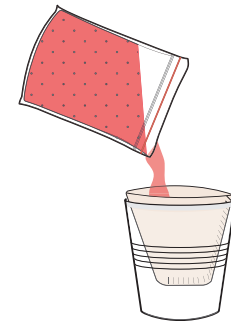
3. Mash up the strawberry into a slurry by pressing the bag



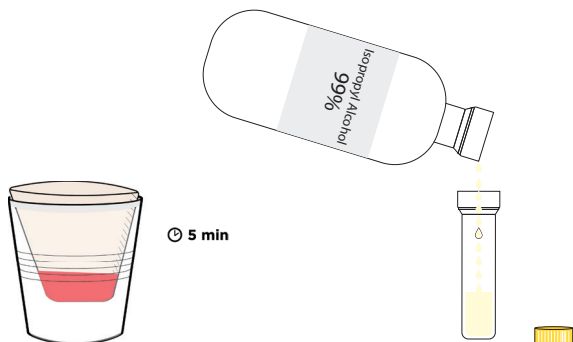
4. Add the lysis buffer to the strawberry mash and mix



5. Place the filter in the a clean cup



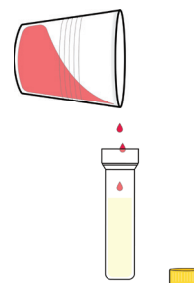
6. Pour the strawberry mix into the filter



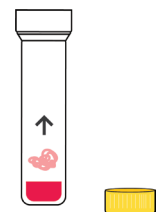
7. Wait 5 minutes. Let liquid pass through Filter



8. Add 9 mL of isopropyl alcohol to the tube provided



9. Pour a small amount of liquid into the isopropyl alcohol



10. Watch the DNA precipitate and float up to the surface!



Want to learn more about DNA and how it is used in biotechnology? Try the free *What is DNA?* simulator! www.amino.bio/vbioengineer