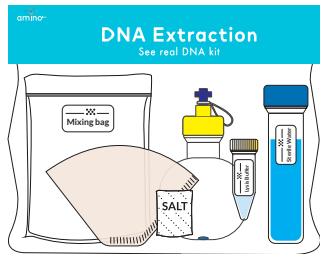


DNA Extraction Kit- Snow Globe Edition!

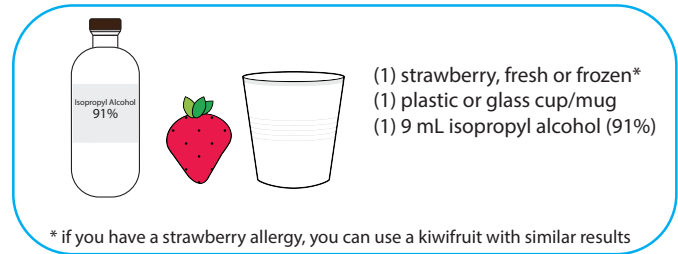
Instructions

Kit Contents



- (1) 10 mL tube sterile distilled water
- (1) 1.5 mL tube lysis buffer
- (1) Ziplock-style 'mixing' bag
- (1) filter
- (1) 0.3 g tube or packet of electrolyte (salt!)
- (1) Sphere container to hold isopropyl alcohol (91%-99%)

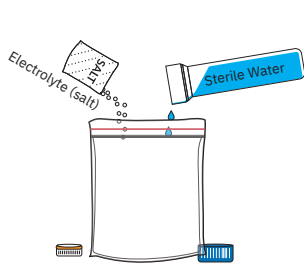
You Provide



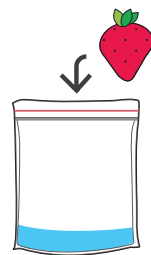
- (1) strawberry, fresh or frozen*
- (1) plastic or glass cup/mug
- (1) 9 mL isopropyl alcohol (91%)

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

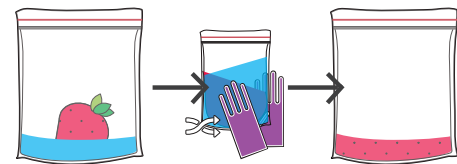
Remember! You should always wear gloves when doing science experiments! Have a look at our safe science guidelines for more safety information: www.amino.bio/safe-science



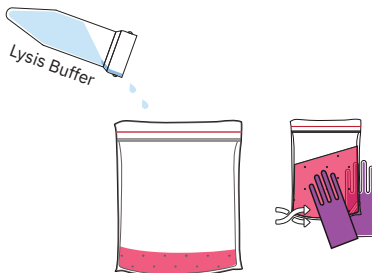
1. Add the sterile distilled water and electrolyte (salt) to the mixing bag



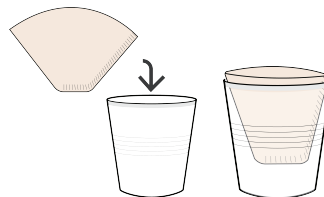
2. Find a nice strawberry and add it to the bag



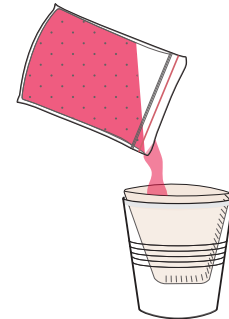
3. Mash up the strawberry into a slurry by pressing the bag



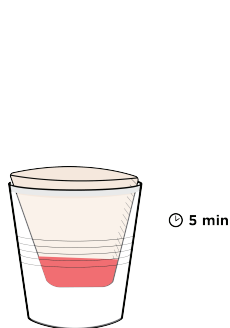
4. Add the lysis buffer to the strawberry mash and mix



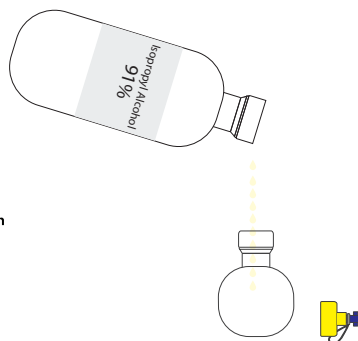
5. Place the filter in the a clean cup



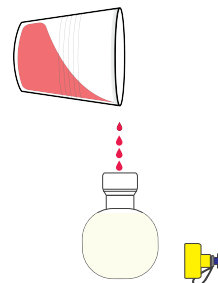
6. Pour the strawberry mix into the filter



7. Wait 5 minutes to let liquid pass through the filter



8. Fill 3/4 of the round bottle with isopropyl alcohol
You can add a drop of food coloring to mix with.



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



10. Watch the DNA precipitate and float up to the surface!
Use the white strap to hang up your Holiday strawberry DNA!



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