

Starch Test with Iodine

Instructions

Materials:

Tinctured iodine (2-7% elemental iodine, potassium iodide, and ethanol solution)

- Can be ordered online premade from veterinary sources.

Apple

Potato or any starch-rich source

Set Up:

1. Cut a slice of apple and potato, be sure to use separate knives because the starch in the potato can contaminate the apple slices.
2. The tinctured iodine bottle usually comes with an applicator rod, if not, use a medicine dropper.

Demo Procedure:

1. Add drops of tinctured iodine to both slices.
2. Point out that the iodine solution on the apple slice stays unchanged, light brown in color.
3. The iodine solution of the potato slice, visibly darkens into a dark blue to black color.