

Experiment No.(8) Iodine test:

- Iodine test is specific to starch.
- Iodine test is used to differentiate between Mono- & Disaccharides, and Starch.
- The principle of this test is the reaction between the iodine ions and the coiled molecules of starch to form a blue colored complex.

Material:

1. Carbohydrate solution (1%).
2. Iodine reagent prepared from dissolving 2g of potassium iodide (KI) in some amount of water. Then dissolves 1g of iodine (I) and complete the volume to 100mL.

Method:

1. Add 3mL of carbohydrate solution in test tube.
2. Add few drops of iodine reagent into the test tube.
3. Mix the content of the test tube well and a deep blue color appears.

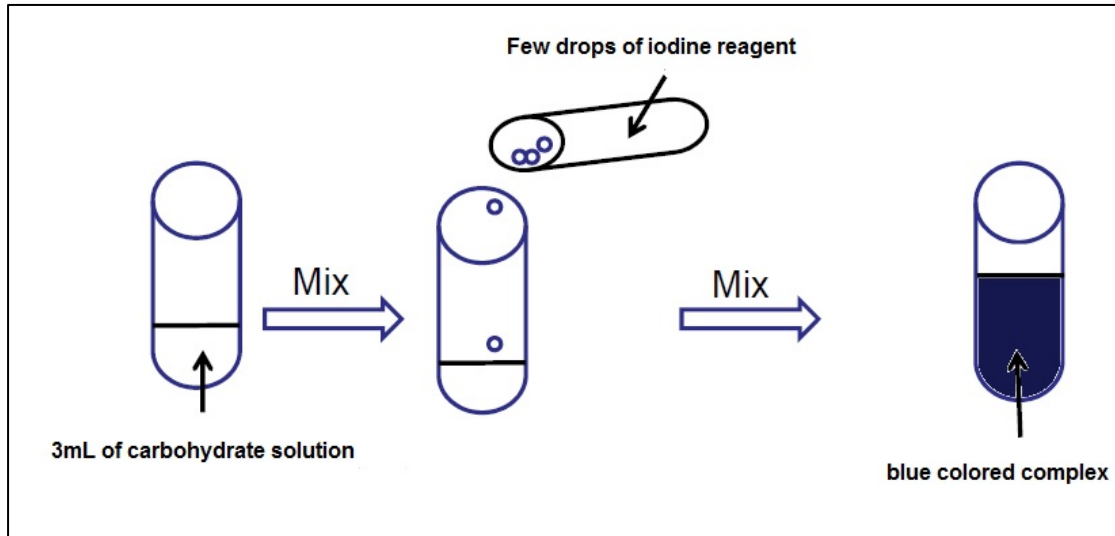


Figure 8. Procedure to Iodine Test.