

Lugol's Iodine

- Place a sample of the food in distilled water in a test tube.
- Add 3 drops of Lugol's iodine in each test tube. Agitate sample and mix thoroughly.
- Observe color change
 - If starch is present, blue-black precipitate will form

Biuret Solution

- Add 40 drops of the test liquid
- Add 3 drops of Biuret reagent solutions to each test tube.
- Shake gently to mix
- Note color change

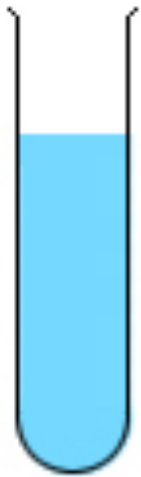
Sudan III stain

- In test tube add equal parts pf test liquid and water to the tube is half filled
- Add 3 drops of Sudan III stain to each test tube and shake gently to mix
- A red-stained oil layer will separate out and float on the water surface if fat is present.

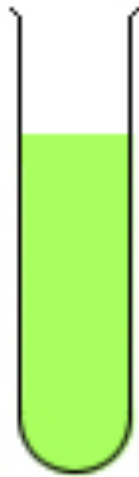
Benedict's Solution

- Add 40 drops of liquid to be tested
- Add 10 drops of Benedict's solution into each test tube
- Carefully heat the test tubes by suspending in a hot water bath for 5 minutes
- Note any color change

Benedict's Solution



none



low



high