

**Experiment No.(5) Ninhydrin's test:**

- Ninhydrin is *Specific for Amino Acids & Proteins*
- Ninhydrin reacts with amino acid in proteins giving a purple colored complex.
- Ninhydrin is most commonly used as a forensic chemical to detect “fingerprints”, as amines left over from proteins sloughed off in fingerprints react with ninhydrin giving a characteristic purple color.

**Materials:**

1. Protein solution (0.5%)
2. Ninhydrin reagent.

**Procedure:**

1. Add (1 mL) of protein solution into a test tube.
2. Add few drops of Ninhydrin reagent.
3. Put the test tube in water bath for 2-3 minutes. Notice the appearance of dark purple color.

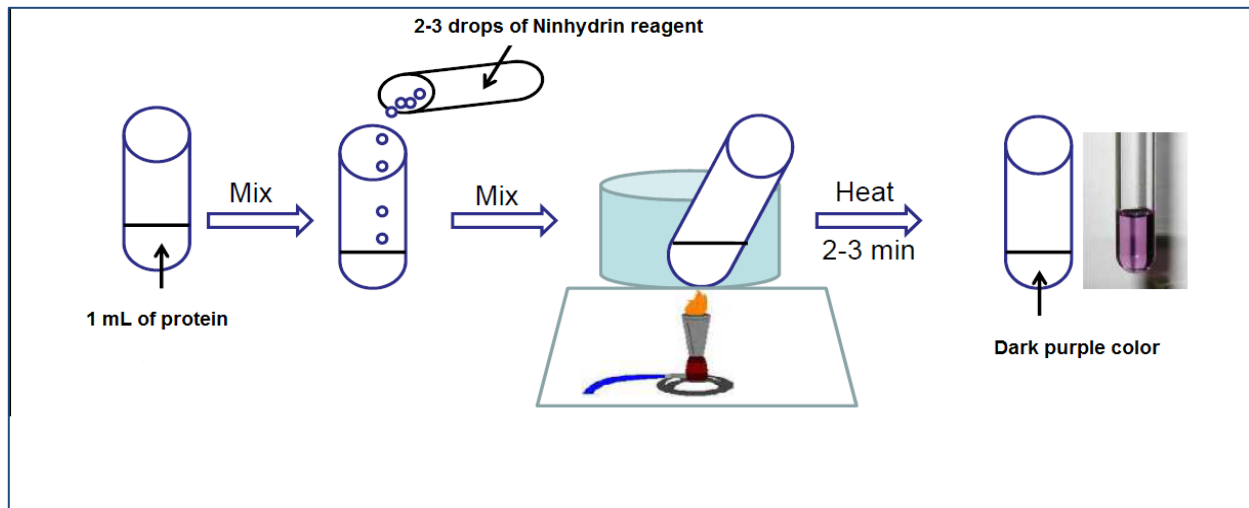


Figure 10. Procedure to Ninhydrin's test.