Precipitation Lowry Protein Assay  
(Peterson, Anal. Biochem. 83, 346 (1977))

Solutions Needed:
0.15% Deoxycholate in dH₂O
72% Trichloroacetic acid in dH₂O
20% Na₂CO₃
0.2% CuSO₄ (pentahydrate) + 0.4% KTartrate
0.8 N NaOH
10% SDS
Folin reagent

Make up fresh each time:

CTC Reagent:
10% Na₂CO₃
0.1% CuSO₄
0.2% KTartrate

This solution can be made by diluting equal parts of the Na₂CO₃ stock solution and the
0.2% CuSO₄ (pentahydrate) + 0.4% KTartrate solution.

Lowry Mix:
Add equal volumes of
CTC reagent
0.8 N NaOH
10% SDS
dH₂O

Diluted Folin Reagent:
1 part Folin reagent plus 5 parts dH₂O

Procedure:

1. Aliquot protein samples into 12 x 75 mm plastic tubes
2. To each tube add water to make up to 1 ml volume
3. Add 100 µl 0.15% DOC
4. Add 100 µl 72% TCA to precipitate protein
5. Pellet the precipitate in a table top centrifuge by spinning for 30 min at 3000 rpm
6. Pour off supernatant and aspirate any remaining droplets of liquid
7. To each tube add:
   - 400 µl Lowry mix
   - 400 µl dH₂O
   - 200 µl diluted Folin reagent
8. Incubate 30 min at room temperature to allow color development
9. Read samples at 750 nm