

TOP GLOVE SDN. BHD

WORK INSTRUCTION

Finished Product Testing : Protein Test Method Sample Concentration and Color Development (EN 455:3)

Purposes/Function/Objective

To determine protein content in sample glove

Apparatus/Equipment

- micro pipette
- centrifuge
- mc tubes rack

Reagents

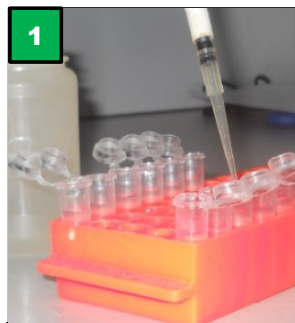
- DOC solution
- TCA solution
- PTA solution
- NaOH solution
- Reagent A
- Reagent B

Form/s

-LA/F22

Reference

-EN 455:3



1
Transfer to separate 1500 uL microtubes:
-reagent blank
-standard protein solution
-specimen extracts



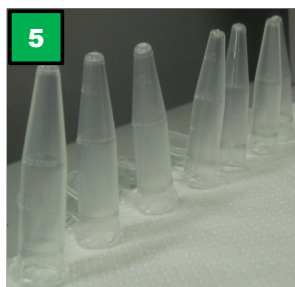
2
Add 100 uL DOC.
Vortex solution.
Allow stand for 10 minutes



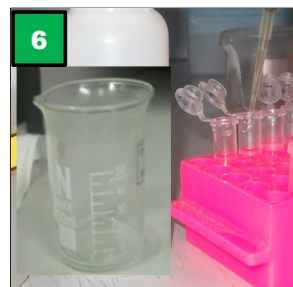
3
Add 0.2 mL 50:50 TCA and PTA solution.
Vortex solution.
Allow stand for 30 minutes.



4
Centrifuge solution for 15 minutes at 8300 rpm



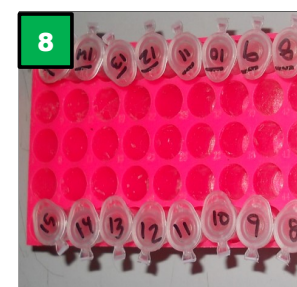
5
Decant off supernatant liquid. Drain by inverting each tube on an absorbent tissue.



6
Add 250 uL of 0.2 M NaOH solution to each tube. Vortex and ensure solution is clear. If precipitates remain, add more NaOH solution up to 1 mL.



7
Add 62 uL Reagent A, Vortex solution. Add 500 uL Reagent B. Vortex solution. Allow stand for 30 minutes.



8
Pipette 300 uL volume of sample into micro plate

Carry out determination using micro plate reader. Refer to WI-Analyze using micro plate reader.

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