

TOP GLOVE SDN. BHD

WORK INSTRUCTION

Finished Product Testing: Protein Test Method Sample Extraction (ASTM D 5712)

Purposes/Function/Objective

- To determine protein content in glove

Apparatus/Equipment

- Ruler
- Analytical Balance
- PP vessel bottle
- scissor
- Centrifuge
- Orbital Shaker
- micro tubes
- micro pipette

Reagents

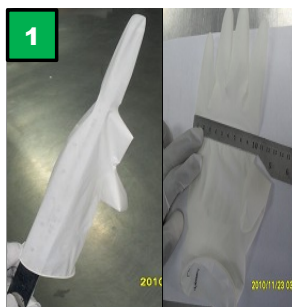
-PBS Solution

Form/s

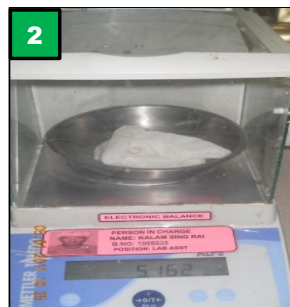
-LA/F22

Reference

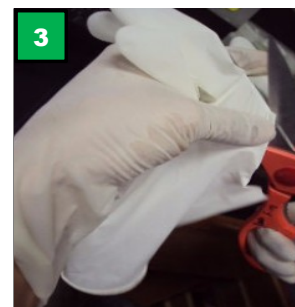
-ASTM D 5712



Determine surface area of glove.
Measure length (L)
& width (W) of glove.
Calculation: $L \times W \times 0.0004$



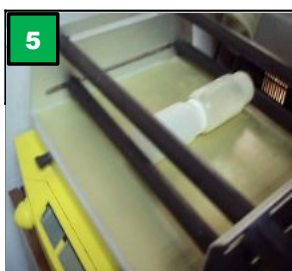
Weigh glove to 3 decimal places



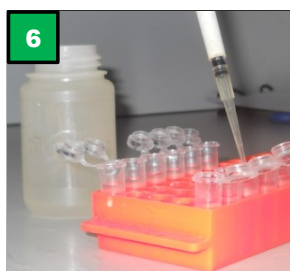
Cut glove to 34 pieces. Refer to
Work Instruction-Sample
Preparation



Place sample into extraction vessel. Pour
in PBS solution into the bottle. Volume of
PBS solution to use (mL): glove weight x
10



Fix bottle on top of orbital shaker.
Shake continuously for 2 hours
(120 minutes) at 175 rpm.
Ensuring all specimens are in
contact with solution.



Remove 1400uL solution into
1500uL micro tube.



Centrifuge for 5 minutes at 4200
rpm

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Samples are ready to next stage. Sample
can be stored at 2-8°C and determination
must be carried out within 24 hours.

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