

COOMASSIE PROTEIN STAINING-PVDF

Solutions

1. Stain Solution (60ml)
 - 50% Methanol (30ml)
 - 7% Acetic Acid (4.2ml)
 - Q.S. to 60ml with ddH₂O (25.8ml)
 - 0.1% Coomassie Brilliant Blue R stain (0.09g)
N.B: 65% dye composition, therefore, in 1g there is 0.65g dye
2. Destain solution #1 (30ml)
 - 50% Methanol (15ml)
 - 7% Acetic Acid (2.1ml)
 - Q.S. to 30ml with ddH₂O (12.9ml)
3. Destain solution #2 (30ml)
 - 90% Methanol (27ml)
 - 10% Acetic Acid (3ml)

Procedure

1. Wash blot in 1x TBS-T for 5 min at Room temp
2. Discard TBS
3. Add Stain Solution
4. Incubate with agitation on rocker for about 5min at room temp, until blot turns blue
5. Pour off stain solution (back into same bottle...can be reused)
6. Add Destain solution #1
7. Incubate with agitation on rocker for about 5min or until solution is saturated with stain
8. Discard solution
9. Add Destain solution #2
10. Agitate by hand until bands are desired color....don't over rinse
11. Pour off solution
12. Dry blot on paper towel