WIX-easyBLOT Basic Semi-dry Blotter

Quick Reference Guide

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Catalogue Number 10113001

The guide should be read before using the WIX-easyBLOT.

I. Experiment preparation

WIX-easyBLOT, fast transfer filter papers (5 sheets as 1 unit), gel, NC membrane or PVDF membrane (need to be activated with methanol before transfer), and roller.

II. Experiment Steps

1. Place 1 unit of fast transfer filter papers (including 5 sheets of fast transfer filter papers) in the center of the cassette base. If transfer 1 mini gel, place the gel sandwich in the center of the cassette base, if transfer 2 mini gels, place 2 gels at two sides of the cassette base.

2. Blotting buffer: Methanol: deionized water = 1:2:3 (V/V) ratio for diluting blotting buffer. Immerse fast transfer filter papers with blotting buffer until it is completely wetted (about 15 ml).

3. NC or PVDF membrane is placed on top of the fast transfer filter papers, and use roller to remove any air bubbles.

4. Carefully align the gel on the membrane. If necessary, gently use roller to remove air bubbles between gel and membrane.

5. Place the other unit fast transfer filter papers (including 5 sheets of fast transfer filter papers) on top of the gel, immerse gel switch with blotting buffer to make it completely wetted (about 15 ml), use roller to remove any air bubbles.

6. Put cassette lid on the base, ensure the red side of the lid and handle of the cassette base be aligned vertically, carefully press vertically and check to ensure the electrical contacts fit closely into slots in the base.

7. Slide cassette into one the of fast blot bays until it makes contact with the magnetic interlock in the back of the instrument tub and you hear a click.

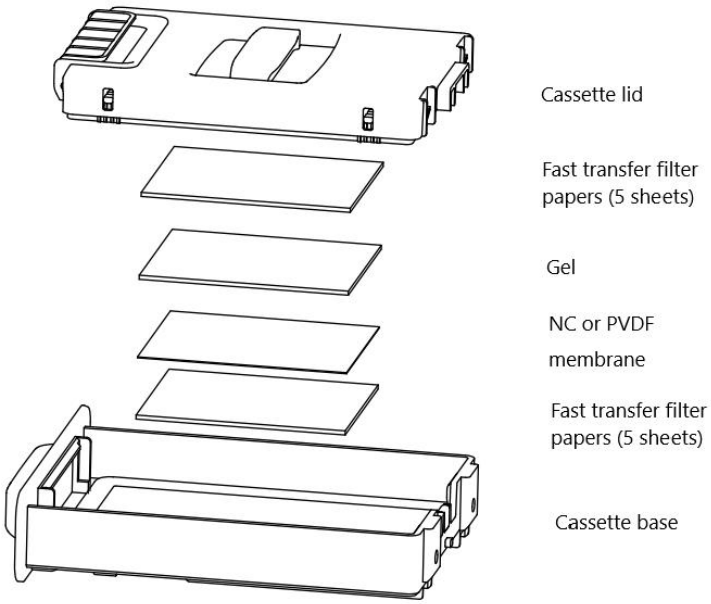
8. Set transfer conditions according to below data.

Molecular weight	10-90kDa	90-190kDa	＞190kDa
1 mini gel per cassette	constant current 1.3A 10 min	constant current 1.3A 15 min	constant current 1.3A 17 min
2 mini gels per cassette	constant current 2.6A 13 min	constant current 2.6A 17 min	constant current 2.6A 19 min

9. Take out gel after blotting.

Caution:

1. Put cassette lid on the base, carefully press vertically and check to ensure the electrical contacts fit closely into slots in the base.
2. Put NC or PVDF membrane into block buffer immediately after it is taking out from the cassette, in order to avoid dried membrane leading by transfer liquid volatilization.
3. If transfer time is longer that much heat generated, put NC or PVDF membrane into bock buffer immediately after it is taking out from the cassette, to avoid dried membrane.



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