Dec 08, 2020

Protein Transfer

Steven J Burgess[1]

[1]University of Illinois at Urbana-Champaign

In Development This protocol is published without a DOI.

Ag SynBio Lab UIUC

Steven Burgess
University of Illinois at Urbana-Champaign

ABSTRACT

This protocol is based on the assumption that TGX pre-cast gels have been used, the procedure is very similar for self-made gels, just that the running time is longer. Using the transfer packs is economically similar to wet-transfer using MeOH.

Note: Clean the apparatus immediately after use with dH_2O and dry. This prevents the build-up of salts and rust which impair performance.

Literature:
Full manual: https://www.bio-rad.com/webroot/web/pdf/lsr/literature/10020688.pdf
Quick-start: https://www.bio-rad.com/webroot/web/pdf/lsr/literature/10016505D.pdf
Transfer pack: https://www.bio-rad.com/webroot/web/pdf/lsr/literature/10019593D.pdf

PROTOCOL CITATION

Steven J Burgess 2020. Protein Transfer. **protocols.io**
https://protocols.io/view/protein-transfer-bqhvmt66

CREATED

Dec 07, 2020

LAST MODIFIED

Dec 08, 2020

PROTOCOL INTEGER ID

45333

PARENT PROTOCOLS

In steps of
SDS-PAGE gel electrophoresis

MATERIALS TEXT

- TransBlot^{R}-Turbo^{TM} Transfer System (Bio-Rad Laboratories; 1704150)
- Trans-Blot Turbo Mini 0.2 µm Nitrocellulose Transfer Packs (Bio-Rad Laboratories;1704158)

ABSTRACT

This protocol is based on the assumption that TGX pre-cast gels have been used, the procedure is very similar for self-made gels, just that the running time is longer. Using the transfer packs is economically similar to wet-transfer using MeOH.

Note: Clean the apparatus immediately after use with dH_2O and dry. This prevents the build-up of salts and rust which impair performance.

Literature:
Full manual: https://www.bio-rad.com/webroot/web/pdf/lsr/literature/10020688.pdf
Quick-start: https://www.bio-rad.com/webroot/web/pdf/lsr/literature/10016505D.pdf
Transfer pack: https://www.bio-rad.com/webroot/web/pdf/lsr/literature/10019593D.pdf

1 Place the membrane and bottom stack in the middle of the cassette base

2 Place pre-cast gel in the middle of the membrane and roll to remove air-bubbles

3 Place the top stack on top of the gel, gently roll

4 Close the cassette lid, taking care not to disturb the gel

5 Place the cassette in the Trans-Blot Turbo and follow the instructions on the machine (Fast protocol TGX gel).

Trans-Blot® Turbo™
Protein transfer apparatus
Bio-rad Laboratories **1704150EDU**

6 Either dry membrane and store at **4 °C** for later use or proceed immediately to fluorescent western protocol