BioRad Trans-Blot Turbo: fast set-up with own materials

Karla LH Feijs[1]

[1]Institute of Biochemistry and Molecular Biology, RWTH Aachen University Hospital

Jun 02, 2021

1 Works for me Share dx.doi.org/10.17504/protocols.io.bvgtn3wn

FeZa lab

Karla Feijs
Institute of Biochemistry and Molecular Biology, RWTH Aachen...

ABSTRACT

This is our labs' fast protocol for BioRad Trans-Blot Turbo with our own materials. This works well for many applications, however, for high molecular weight proteins wet transfer conditions remain superior.

DOI

dx.doi.org/10.17504/protocols.io.bvgtn3wn

PROTOCOL CITATION

Karla LH Feijs 2021. BioRad Trans-Blot Turbo: fast set-up with own materials. **protocols.io** https://dx.doi.org/10.17504/protocols.io.bvgtn3wn

CREATED

Jun 02, 2021

LAST MODIFIED

Jun 02, 2021

PROTOCOL INTEGER ID

50419

MATERIALS TEXT

Standard Towbin transfer buffer
25 mM Tris, 192 mM glycine, pH 8.3, 20% methanol

WYPEALL X60 paper cut to size

Nitrocellulose membrane cut to size

1 Prepare all materials, such as transfer buffer, nitrocellulose membrane and WYPEALL cut to the size of the gel. Run a standard SDS-PAGE.

2 Soak the gel in transfer buffer for 10 minutes. In meantime, prepare a stack of 6 WYPEALL papers on the bottom cassette and add the nitrocellulose membrane on top.

3 Place the gel on top of the membrane and add another 6 WYPEALL papers. In general: the lower percentage gel, the

better the transfer will be.

4 Use the provided roller to remove any air bubbles with a gentle roll, while applying equal pressure.

5 Close the cassette and place it in the machine. Select the BioRad standard "High MW" protocol, which runs at 1.3A for 10 minutes.

6 Open the cassettes and place the stacks of WYPEALL in a container with fresh transfer buffer. These stacks can be re-used when kept in a sealed container at 4ºC.

Discard the gel, or to analyse transfer efficiency place in coomassie staining, and continue with your standard western blotting protocol.

Rinse out the bottom cassette with ddH2O, wipe off the bottom cassette with a wet cloth.

Citation: Karla LH Feijs (06/02/2021). BioRad Trans-Blot Turbo: fast set-up with own materials. https://dx.doi.org/10.17504/protocols.io.bvgtn3wn