

Oct 14, 2019

Version 1

## Western Blot (Tank-Blot) V.1

DOI

[dx.doi.org/10.17504/protocols.io.765hrg6](https://dx.doi.org/10.17504/protocols.io.765hrg6)

Igem Dusseldorf<sup>1</sup>

<sup>1</sup>Heinrich-Heine Universität Düsseldorf



Igem Dusseldorf

### Create & collaborate more with a free account

Edit and publish protocols, collaborate in communities, share insights through comments, and track progress with run records.

Create free account

OPEN  ACCESS



DOI: <https://dx.doi.org/10.17504/protocols.io.765hrg6>

**Protocol Citation:** Igem Dusseldorf 2019. Western Blot (Tank-Blot). **protocols.io**  
<https://dx.doi.org/10.17504/protocols.io.765hrg6>

**License:** This is an open access protocol distributed under the terms of the **Creative Commons Attribution License**, which permits unrestricted use, distribution, and reproduction in any medium, provided the original author and source are credited

**Protocol status:** Working

**We use this protocol and it's working**

**Created:** October 14, 2019



**Last Modified:** October 14, 2019

**Protocol Integer ID:** 28605

**Keywords:** blotting buffer, blotting buffer transfer sds gel, blotting buffer assemble, blotting apparatus, blot, western blot, blotting sandwich, blotting buffer run, blotting buffer run for 1h, buffer transfer sds gel, creating bubble, pdvf membrane, buffer, soaked filter, pdvf membrane with forceps, running buffer, buffer assemble, bubble, sds gel, filter paper, sds gel on top, tank, soaked sponge press

## Abstract

Blotting Buffer:

- 100mL 10x SDS running buffer
- 200mL 100% Methanol
- 700mL H<sub>2</sub>O
  
- Fill a tray with blotting buffer
- Transfer SDS gel to the blotting buffer
- Assemble blotting sandwich (take it, soak sponge and place on it, soak filter paper and place on it, place inverted SDS gel on top, without creating bubbles. Add charged PDVF membrane with forceps ( charged in 100% ethanol and then soaked in buffer )
- Add soaked filter
- Streak out bubbles
- Add soaked sponge
- Press together and close container
- Place in blotting apparatus and add blotting buffer
- Run for 1h at 100V 350-500mA

## Troubleshooting

