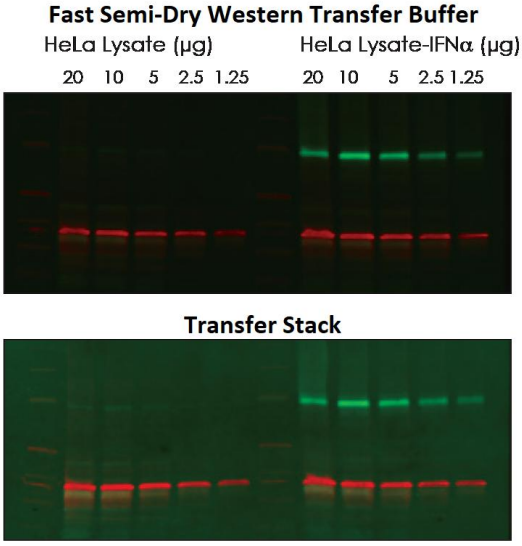
Fast Semi-Dry Western Transfer Buffer

Overview of Fast Semi-Dry Transfer Buffer:

Fast Semi-Dry Western Transfer Buffer is designed for the rapid semi-dry transfer of proteins from polyacrylamide gels (SDS-PAGE) to nitrocellulose or PVDF membranes using rapid semi-dry transfer systems. Transfer is compatible with commonly used detection methods such as membrane staining, chemiluminescent and fluorescent Western blotting.



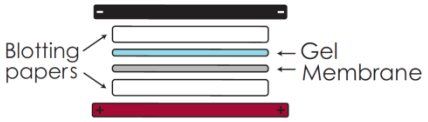
- **FAST** – This high ionic strength formulation allows for protein transfer in 3 to 10 minutes when used with a compatible high current semi-dry system
- **REPRODUCIBLE** - Consistent transfer across the entire blot
- **VERSATILE** - Low background and high sensitivity with both chemiluminescent and fluorescent Western blots using nitrocellulose or PVDF membranes
- **COMPATIBLE** - Use your existing high current semi-dry transfer apparatus

Tips:

- Cut the blotting paper and membrane to fit the gel.
- Never touch the membrane or gel with bare hands. Use forceps to make adjustments.
- Clean blotting apparatus with water after every use.

Short Protocol:

1. Equilibrate two stacks of semi-dry blotting tissue or paper, each equivalent to at least 1.6mm for 10–15 minutes. Ensure that the blotting paper is completely soaked prior to use.
2. Equilibrate the Nitrocellulose or PVDF membrane in Fast Semi-Dry Western Transfer Buffer for 10–15 minutes, use sufficient buffer to cover the entire membrane. (For PVDF membranes, pre-wet with methanol for 10–15 seconds then rinse with high purity water for 5 minutes before equilibrating with Fast Semi-Dry Western Transfer Buffer.)
3. Assemble the blot directly on the anode plate of a semi-dry transfer apparatus as indicated below. Remove all air bubbles from the stack by carefully rolling each layer with a roller or test tube.



4. Using a semi-dry transfer apparatus, transfer protein from a standard mini-gel to membrane at a constant current of 1.3 Amps for 5–10 minutes when using a high efficiency blotter or 20–30 minutes if using a standard semi-dry blotter. Using other size gels will require additional optimization.
5. Remove the blot from the apparatus and rinse with high purity water for 5 minutes with gentle agitation.

Note: Fast Semi-Dry Western Transfer Buffer may turn yellow after the transfer is complete. This is normal and does not interfere with downstream applications.

For Orders:

Catalog Number	Product	Size
NB053104500	Fast Semi-Dry Western Transfer Buffer	500 mL