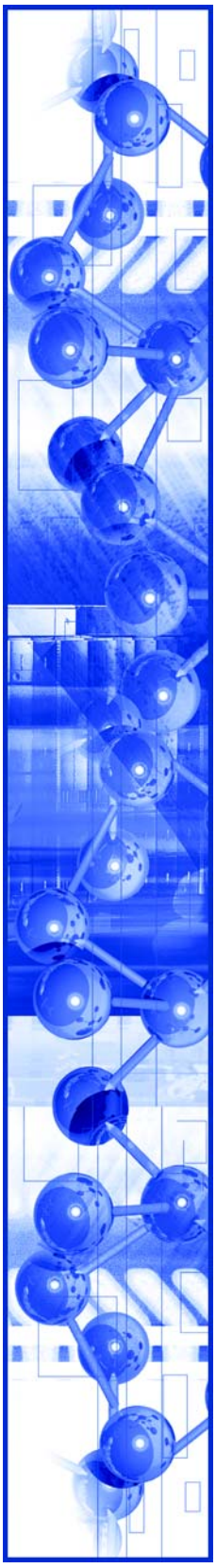

Rapid Transfer Buffer

Code	Description	Size
N789-1L	Rapid Transfer Buffer	1 liter
N789-4L		4 liters

General Information:

Rapid Transfer Buffer is a simple one component system for quick, efficient transfer of proteins from SDS-PAGE gels to membranes for Western Blotting applications. Most transfers are complete in 10 to 20 minutes with standard semi-dry or wet transfer apparatus, respectively. Dedicated, expensive transfer equipment is not needed.

Rapid Transfer Buffer is a methanol-free, non-hazardous formulation that is compatible with both PVDF and nitrocellulose membranes.

Storage/Stability:

Rapid Transfer Buffer is stable at 18 – 26 °C for 6 months.

Application Disclaimer

For Research Use Only.
Not for Therapeutic or Diagnostic Use.

Procedure:

Wet Transfer Protocol

1. Prepare 1 liter of 1X Rapid Transfer Buffer by diluting 100 ml 10X Rapid Transfer with 900 mL of deionized water.
   a. Prepare membrane and filter paper for transfer: Membrane and 2 pieces of Whatman filter paper should be cut to fit dimensions of the gel.
   b. ➥PVDF membranes must be pre-wetted according to manufacturer's instructions in 100% methanol prior to equilibration in transfer buffer.
   c. Equilibrate membrane and filter paper in 1X Rapid Transfer Buffer for a minimum of 5 minutes.
2. Following electrophoresis, assemble the blotting sandwich following manufacturer's instructions.
3. Place the blotting sandwich in a wet transfer tank filled with 1X Rapid Transfer Buffer.
4. Transfer for 20 minutes at 75V at room temperature.

Semi-Dry Transfer Protocol

1. Prepare 100 ml of 1X Rapid Transfer Buffer by diluting 10 ml 10X Rapid Transfer with 90 mL of deionized water.
   a. Prepare membrane and filter paper for transfer: Membranes and 2 pieces of Whatman filter paper should be cut to the dimensions of the gel.
   b. ➥PVDF membranes must be pre-wetted in 100% methanol prior to equilibration in transfer buffer.
   c. Equilibrate membrane in 1X Rapid Transfer Buffer for a minimum of 5 minutes.
2. Following electrophoresis, wash the gel for 5 minutes in deionized water.
3. Pre-equilibrate the gel in 1X Rapid Transfer Buffer for 5 minutes.
4. Assemble the blotting sandwich following manufacturer's instructions.
5. Transfer for 10 minutes at 25V at room temperature.

Related Products

Electrophoresis

M317	Fluorescent Sprint NEXT GEL™, 10% Solution
M318	Fluorescent Sprint NEXT GEL™, 12.5% Solution

Membrane stains

M282	Proact™ Membrane Stain
K793	Ponceau S Stain

Blocking Solution

M325	RapidBlock™ Solution

Chemiluminescent Substrates

N218	VisiGlo™ Chemiluminescent Substrate
N219	VisiGlo™ Plus Chemiluminescent Substrate

Stripping Buffer

N552	Gentle Review™ Stripping Buffer

X-ray film background reducer

N656	UnDo™ X-Ray Film Background Reducer

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