Odyssey® Blocking Buffer (PBS) Pack Insert

Components

P/N	Description
927-40100	125 mL
927-40000	500 mL
927-40003	3 x 500 mL
927-40010	10 x 500 mL

Specifications

- Odyssey Blocking Buffer (PBS) is a ready-to-use formulation, no dilution is required.
- Shelf Life: See expiration date on bottle.
- Storage: 4 °C

Note: *Odyssey Blocking Buffer (PBS) contains 0.1% sodium azide and is not suitable for chemiluminescent detection.*

Product Description

Blocking buffers enhance the quality of Western blots by reducing background interference, increasing the signal-to-noise ratio, and promoting specific binding of the primary antibody while minimizing non-specific interactions. Odyssey Blocking Buffer (PBS) is a ready-to-use formulation in phosphate-buffered saline that provides optimal blocking conditions for antibodies requiring PBS-based buffer systems. The blocker does not contain mammalian proteins. It is suitable for a variety of applications, including In-Cell™ Western assays, protein arrays, ELISA, and transcription factor assays (EMSA).

Materials Required for Blocking Membrane

- Blotted PVDF or nitrocellulose membrane
- Western blot incubation box
- Orbital shaker for incubation at room temperature

Guidelines

If you're using Odyssey Blocking Buffer (PBS), use PBS-based buffers for the entire detection process and use PBS-based wash buffer.

Protocol

For a detailed Western blot protocol, see the *Near-Infrared (NIR) Western Blot Detection Protocol* (licor.com/wbanalysis). For troubleshooting ideas, see *Good Westerns Gone Bad: Tips to Make Your NIR Western Blot Great* (licor.com/GWGBIR).

Blocking Membrane

1. Place the PVDF or nitrocellulose membrane into the Western Blot Incubation Box and add undiluted Intercept Blocking Buffer to the membrane. Be sure to use sufficient blocking buffer to cover the membrane (a minimum of 0.4 mL/cm^2 is suggested).

   Note: *Do not use detergents like Tween® 20 or SDS during the blocking step, as this may generate a background signal. Detergents should only be added when diluting the primary and secondary antibodies.*

2. Incubate for 1 hour at room temperature on an orbital shaker.

3. Proceed with Western blot detection protocol.

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