

EXREsolve™ ECL Chemiluminescent Substrate

Catalog Number: EXBR055



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

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Product Description

Exreprotein™ EXREsolve™ ECL Chemiluminescent Substrate is an optimized substrate for the detection of horseradish peroxidase (HRP) on immunoblots with sensitivity at 10 to 100 femtograms while maintaining low background. The chemiluminescent signal may be visualized by exposure to X-ray film or an imaging system.

Limitations

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

Precautions

- This package insert must be read in its entirety before using this product.
- Always wear appropriate protective clothing and follow safe laboratory procedures.

Materials Provided & Storage

Store the kit at 2-8°C for up to 12 months. **Protect from light.**

Component	Size	Quantity
Luminol Solution A	50 mL	1 bottle
Peroxide Buffer B	50 mL	1 bottle

Protocol

1. Immediately after completing the incubation and wash of the HRP-conjugated Western blot secondary antibody with the membrane, mix equal volumes of Luminol Solution A and Peroxide Buffer B to prepare 0.125 mL solution/cm² membrane.
2. Incubate membrane with the working solution for 1-2 minutes at room temperature.
3. Remove membrane from working solution and place in plastic sheet protector or clear plastic wrap. Remove excess liquid with absorbent tissues and gently press out bubbles between the membrane and plastic.
4. Detect the signal using X-ray film or an imaging system.

Note:

- Antibody concentrations/dilutions should be optimized.
- Do not expose the reagents to sunlight or strong light, this will reduce the activity of the reagents.
- When preparing the working solution, avoid contaminating the Luminol Solution A and Peroxide Buffer B stock solutions. Use clean pipette tips for each stock solution.