

E-Chemiluminescence Basic Reagent (Cat. VE208081)

Product Information:

Contents: ECL basic reagent-A ECL basic reagent-B *For research use only.*

Catalog Number: VE208084

Size: 200 ml

Storage Conditions: Stored at 2-8°C or at room temperature.

Description: Design for the detection of antibodies conjugated to Horseradish Peroxidase (HRP) in western blotting, suitable for both PVDF and NC membranes. Reagent A contains the Luminol and ECL enhancer. Reagent B contains the Hydrogen Peroxide (H₂O₂) and buffer stabilizer. The working solution (A&B mixture) is stable up to 12 hours at ambient temperature.

Benefits and Features:

- High sensitivity and long duration: detect up to 5-10 picogram protein and signal duration over 1 hour.
- Stable at room temperature for more than a year.

This reagent is irritant to eyes and skin. Wearing goggles and gloves are necessary. In case of contact with eyes or skins, rinse immediately with plenty of water and seek medical advice.

Procedure:

1. Prepare 1x working solution: mix 500ul reagent-A and 500ul reagent-B for a mini-gel membrane (8 cm x 10 cm). The final volume of detection reagent mixture is around 0.1 ml/cm².
2. Place the membranes (protein side up) on a clean surface. Drain off the excess wash buffer.
3. Pipette the 1x working solution onto the membrane. The solution should cover the entire surface of the membrane.
4. Incubate for 1-3 minutes at room temperature without agitation.
5. Drain off excess working solution and place the blots (protein side up) on a clean surface.
6. Directly expose the membrane on a chemiluminescent / fluorescent imager or wrap up the membrane for x-ray film development.

Tech Tips:

1. Working solution mixture is stable for up to 12 hours at ambient temperature.
2. Optimization range of primary antibody: 1/3,000-1/5,000.
3. Optimization range of secondary antibody (HRP-labeled): 1/30,000-1/50,000.

Precautions and Disclaimer:

This product and procedure described are intended for R&D use only. Purchase of this product does not convey a license to perform any patented process.