

E-Chemiluminescence Reagents (Cat. VE208082)

Product Information:

Contents: Reagent-A (50mL) and Reagent-B (50mL),

Size: 100 ml (1000 cm²)

Storage Conditions: Stored at 2-8°C

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.

For research use only.

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 5 minutes at room temperature without agitation.
5. Chemiluminescent detection:
Drain off excess working solution and place the blots (protein side up) on a clean surface. 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.