

**Protein Chemiluminescence Reagents (Cat. E208080)****Product Information:****Contents:** Reagent-A (10mL 12x) and Reagent-B (10mL 12x), 1xTBST (100mL)**Catalog Number:** E208080**Size:** 120 ml (1200 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 24 hours at ambient temperature.*For research use only.***Procedure:**

1. Prepare 1x working solution: mix **100ul reagent-A**, **100ul reagent-B** and **1ml 1x TBST/PBST** 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 up to 24 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.
4. Optimization range of working solution mixture: 100-500ul of reagents (A/B) into 1 ml TBST/PBST to increase the sensitivity.

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.

Contact us,Phone: 514-702 7702 Fax: 514-254 5356 Web: www.zmtechscience.comEmail: order@zmtechscience.com (For ordering)