



## ECL Reaction Enhancer Buffer (Cat. E215060)

### Product Information:

**Contents:** 2x ECL reaction enhancer

**Catalog Number:** E215060

*Use for research only*

**Size:** 250 mL

Stored at 2-8°C

### Description:

ECL reaction enhancer buffer is ready-to-use 2x ECL diluent, design for effectively increasing the ECL sensitivity (more than 3-10 folds) and boosting the protein signal intensity (light emission) in the complex reaction systems between peroxidase (HRP/AP), oxidant (H<sub>2</sub>O<sub>2</sub>) and luminol, suitable for most x-ray film or imager detection systems.

### Procedure:

1. Prepare membrane after the incubation of secondary (2<sup>nd</sup>) antibody.
2. Prepare the chemiluminescence substrates (ECL) and ECL reaction enhancer buffer
  - 1) Mix equal volumes of ECL reagent-A and reagent-B (1:1)
  - 2) Add the same volume of 2x ECL reaction enhancer into the ECL mixture. The final volume of 1x working solution is around 0.1 ml/cm<sup>2</sup>.
3. Wash membrane twice with washing buffer (1x TBST/PBST) for 5 minutes.
4. Place the membranes (protein side up) on a clean surface. Drain off the excess wash buffer.
5. Pipette the 1x working solution onto the membrane. The solution should cover the entire surface of the membrane.
6. Incubate for 5 minutes at room temperature without agitation.
7. Chemiluminescent detection:

Drain off excess working solution and place the blots (protein side up) on a clean surface.

Directly expose on a chemiluminescent / fluorescent imager or wrap up the membrane for x-ray film development.

**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.com](http://www.zmtechscience.com) Email: [order@zmtechscience.com](mailto:order@zmtechscience.com) (For ordering)

ZmTech Scientific Inc. endeavors to assist clients based on the highest level of customer service, competitive pricing and customer satisfaction. Our mission is: Convenience, Speed, Safety and Economy.