

Western Enhanced Chemiluminescent (ECL) Substrate (Low Pico/High Femto Sensitivity)

Catalogue No.: abx460006

Western Enhanced Chemiluminescent (ECL) Substrate (Low Pico/High Femto Sensitivity), a luminol-based chemiluminescent substrate is sensitive and compatible with conducting immunoblots with horseradish peroxidase (HRP)-conjugated secondary antibodies. It is designed for the detection of the target proteins in Low Pico or High Femto amounts. Further, its long chemiluminescent signal duration makes both digital and film-based imaging possible without any loss of the signal. Appropriate primary and secondary antibody dilutions are suggested for attaining optimal signal intensity and duration.

Target: Western Enhanced Chemiluminescent (ECL) Substrate (Low Pico/High Femto Sensitivity)

Tested Applications: WB

Storage: Store at room temperature for up to 24 months. Avoid exposure to light.

Buffer: Not applicable.

Note: THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

Directions for use: Powder Dissolution

1. To two 5 L acid and alkali resistant bottles. Take an amber bottle for luminol solution, and a normal bottle for peroxide solution.
2. Unpack the bag and pour all the powder in each bottle.
3. Add deionized water to make a volume of 5 L.
 1. Keep the membrane moist in the wash buffer while preparing the substrate mixture. Please ensure the membrane does not dry out during the subsequent steps.
 2. Mix Luminol solution and Peroxide Solution in a 1:1 ratio, and thoroughly mix the chemiluminescent substrate solution well.
 3. Prepare 0.1 ml of solution per cm² of membrane. For a mini-sized membrane (7 × 8.5 cm), 5 ml of solution is sufficient. For a midi-sized membrane (8.5 × 13.5 cm), 10 ml of solution is sufficient.
 4. Place the membrane with the protein side up on a clear and level surface or in a clean container.
 5. Remove the membrane from the chemiluminescent substrate solution and drain off excessive solution.
 6. Place the membrane in a plastic sheet protector or in plastic wrap to prevent the membrane from drying.
 7. Image the membrane with a digital imager or by exposure to X-ray film.