

proACE™ ECL direct#GD35.0250 (250ml)
(FOR RESEARCH ONLY)

Product: proACE™ ECL direct (ECL= Enhanced ChemiLuminescent) is ready-to-use enhanced luminol-based substrate for horseradish peroxidase (HRP) in chemiluminescent Western blotting assays. It allows for the detection of mid picogram amounts of HRP-conjugated antibodies, with long lasting signals (up to 3 hours), which makes it ideal detection for routine detection requirements.

Applications: Western Blotting, Imaging

Properties:

Highly Sensitive/ Mid picogram detection
Prolonged chemiluminescent signal
Compatible with Nitrocellulose and PVDF membranes
Compatible with X-ray film and CCD imager

Quantity: #GD35.0250 comprises 250ml of proACE™ ECL direct, sufficient for 2500 cm² of membrane (>60 mini-sized membranes)

Storage: Store at Room temperature for up to 2 years.

Prior to Use:

Prepare your protein blot as usual. After incubation with HRP-conjugated secondary antibody, wash 3x 5min and leave membrane in wash buffer in order to prevent drying until ready to proceed with development.

For step 2, approximately 0.1ml of proACE™ ECL direct is required per cm² of membrane. Typically, for a mini-sized membrane, 4 ml is sufficient.

Usage

1. Transfer the membrane, with the protein side up, to a clear and level surface or into a clean container
2. Cover the membrane with proACE™ ECL direct and incubate for 90 seconds at room temperature (The amount of time required may be optimized individually in order to obtain stronger signal as it depends on the amount of secondary antibody bound. In general, 30 seconds to 2 minutes is more than enough as proACE™ ECL direct is extremely sensitive).
3. Remove the membrane from the mixture, drain of any excess and cover the damp blot with plastic wrap to prevent from drying.
4. Image by exposing to X-ray film or CCD imager. For an unknown signal, try to expose for 15 seconds, 30 seconds, 1 minute and 5 minutes for initial evaluation.