

proACE™ Ultra ECL direct
#GD36.125 (125ml) | GD36s (trial size)
(FOR RESEARCH ONLY)

Product: proACE™ Ultra 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 low femtogram amounts of HRP-conjugated antibodies, with long lasting signals (up to 2 hours), which makes it ideal detection of extremely low amounts of proteins and/or the usage of low amounts of antibodies (costs-saving).

Applications: Western Blotting, Imaging

Properties:

Ultra-Sensitive/ Low femtogram detection
Prolonged chemiluminescent signal
Compatible with Nitrocellulose and PVDF membranes
Compatible with X-ray film and CCD imager

Quantity: #GD36.0125 comprises 125ml of proACE™ Ultra ECL direct, sufficient for 1200 cm² of membrane (>30 mini-sized membranes). GD36s contains 8ml of proACE™ Ultra ECL direct.

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™ Ultra 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™ Ultra 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™ Ultra 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.