

LuxForte™ ECL DIRECT

Ordering info

TBR1002-120, 120 mL

TBR1002-250, 250 mL

Description

Tiaris™ LuxForte™ ECL DIRECT is a ready-to-use, enhanced luminol-based substrate for horseradish peroxidase (HRP) used in chemiluminescent Western blotting assays. It enables sensitive detection of HRP-conjugated antibodies in the picogram range and provides long-lasting signals (up to 3 hours), making it ideal for routine detection applications.

Features

- Ready-to-use all-in-one solution.
- Highly Sensitive.
- Prolonged chemiluminescent signal.
- Compatible with Nitrocellulose and PVDF membranes.
- Compatible with X-ray film and CCD imager.

Applications

- Western Blotting.
- Imaging.

Components

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LuxForte™ ECL DIRECT Solution bottle

Storage

Room Temperature.

Protocol

Prior to Use: Prepare your protein blot as usual. After incubation with the HRP-conjugated secondary antibody, wash the membrane 3 × 5 minutes and keep it in wash buffer to prevent drying until ready for development.

For step 2, approximately 0.1 mL of **LuxForte™ ECL DIRECT** is required per cm² of membrane. Typically, 4 mL is sufficient for a mini-sized membrane.

Incubate Membrane with Substrate

1. Place the membrane, protein side up, on a clean, flat surface or in a plastic tray.
2. Cover the membrane with LuxForte™ ECL DIRECT (0,1 mL/cm²) and incubate for 90 seconds at room temperature. *Incubation time may be optimized to obtain a stronger signal, depending on the amount of secondary antibody bound. In general, 30 seconds to 2 minutes is sufficient, as LuxForte™ ECL DIRECT is highly sensitive.*
3. Remove the membrane from the reagent, drain any excess, and cover the damp blot with plastic wrap to prevent drying.
4. Capture the signal by exposing the membrane to X-ray film or using a CCD imager. For unknown signal intensity, perform initial exposures of 15 seconds, 30 seconds, 1 minute, and 5 minutes.