WesternBright® ChemiPen™

Transform your visible protein standard into a chemiluminescent marker

Description

Write or draw on your transfer membranes with the **WesternBright ChemiPen**. The reagent in the ChemiPen reacts with HRP substrates to produce chemiluminescence that can be detected with film or CCD imaging. With the proprietary "ink" you can make pre-stained protein standards chemiluminescent, annotate your blot with a date or blot number, or check the quality of your HRP substrates.

Tips

- The ChemiPen ink contains a reagent that reacts with HRP substrates to produce chemiluminescence and also a blue dye to allow you to see markings made on a blot.
- There are two heads to the pen, a fine point tip and a thicker chisel point tip. We recommend using the fine point tip to annotate the blot and mark protein ladders for detection.
- The chisel point of the pen can be used to deposit an increased amount of reagent on the blot for more intense signal.
- For best results we recommend annotating your blot after transfer and before starting your Western blotting protocol.
- Once annotated, the blot may be stored dry or wet, refrigerated or at room temperature. The WesternBright ChemiPen reagent and blue ink markings on the blot are stable for at least 3 months.
- The ChemiPen should be stored tightly closed at room temperature.

Ordering Information

L-15025-001

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L-15025-001 is a direct replacement for R-07055-001, which was discontinued.

Short protocol

1. Run an SDS-PAGE gel using any standard technique.
2. Transfer proteins from the gel to PVDF or nitrocellulose membrane using any standard protocol (wet transfer, dry transfer, or semi-dry transfer).
3. For easier annotation, let the membrane semi-dry (5-10 min) before using the WesternBright ChemiPen.
4. Open the cap of the ChemiPen and annotate the blot. The blue ink allows you to see the markings made on the blot and will not interfere with Western blotting or downstream applications.
5. Once the blot is annotated follow any standard Western blotting procedure.
6. To detect the markings made by WesternBright ChemiPen and HRP labeled proteins on the blot, mix WesternBright ECL components 1:1 in sufficient amounts to obtain at least 0.1 ml/cm^2 of membrane. (For example, for a 7 x 9 cm blot, mix at least 3.15 ml of each component to obtain 6.3 ml working reagent.)
7. Incubate blot for 3-5 minutes with substrate from step 6.
8. Drain excess reagent.
9. Cover damp blot with plastic wrap and expose to X-ray film. The signal can also be detected using a CCD camera-based gel documentation system.

For more information

Visit **www.advansta.com/WesternBright_ChemiPen** or go directly to the web page by scanning the QR-code with your favorite bar-code scanner app on your smart phone:

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