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PRODUCT DATA SHEET

Part number(s): K-12049-D50

WesternBright® ECL Spray

Chemiluminescent HRP Substrate

Product description:

Two-component substrate for chemiluminescent detection of Western blots. The product is compatible with secondary antibodies conjugated with Horseradish Peroxidase.

Reagents are packaged in two separate bottles attached together and ready to be attached to the provided self-mixing spray head.

Operating the spray head causes the two reagents to be mixed in equal ratio and produces the active reagent mixture that can be applied directly onto a blot.

Follow the instructions on the label for the product application.

Components and storage conditions:

R-03038-D25 Component 1 (luminol/enhanser solution) 250 ml

Colorless or slightly colored solution packaged in a specially shaped red plastic bottle with a black cap.

R-03041-D25 Component 2 (stabilized peroxide solution) 250 ml

Colorless solution packaged in a specially shaped red plastic bottle with a white cap. Some amorphous white precipitation may occur. The precipitate does not affect the performance of the product and should not be removed.

Both bottles are attached together with a plastic wrap. A special spray head is provided and is ready to be attached to the bottles. Assembly instructions are provided on the wrap label.

The product should be stored at room temperature. Do NOT refrigerate. Refrigerated storage REDUCES shelf life and may compromise the operation of the spray head.

After the spray head is attached to the bottles, it should never be removed. The assembled device should always be stored in upright position. The assembly of the head to the bottles must be performed by the end-user.

Shelf life:

Unopened components are stable at least for one year after the delivery to the end user, if stored at room temperature. Storage at +4°C may DECREASE the shelf life.

Shipping conditions:

Shipping at ambient temperature.
All shipping methods are acceptable.
ASSEMBLED DEVICE IS NOT SUITABLE FOR SHIPPING.

Quality control analysis and expected results:

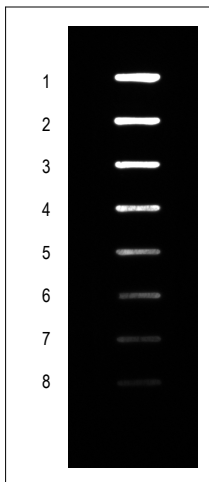
Each component of the kit has been tested separately and independently and has passed all required quality control criteria.

In addition to the formulation-level quality control tests, the reagents are functionally tested by incubation for 2 minutes with nitrocellulose strips containing eight serial dilutions of secondary antibody conjugated with HRP in the range from 5ng to 40pg followed by imaging in a CCD digital imager.

In standard imaging conditions with acquisition time below 10 seconds at least six out of eight bands should be observed.

Both reagents included in the product may have been functionally tested together or separately in combination with a previously tested component that has passed all quality control tests and functional tests.

Lot specific information:



The image on the left is obtained with a CCD imager (Fluorchem Q) using the following settings:

Lens aperture setting: 2
Exposure time: 8s

Similar images can be obtained using various CCD imagers available on the market and capable of capturing chemiluminescent light generated by luminol – HRP system.