ECL Developing Buffer

Cat. #: SW-B201 250 ml

Cat. #: SW-B202 500 ml

Storage: 4℃ in the Dark

Description:

ECL Developing Buffer can be used to detect the target proteins basing on the chemiluminescence reaction, which is catalyzed by HRP on secondary antibody. ECL Developing Buffer is produced from enhanced chemiluminescence substrate. It has low background and is steady. The produced fluorescence can be exposed on X-ray film or detected directly by illuminometer or CCD.

Procedure

- **Activate the Buffer:** ***Add 3 μl 30% H_2O_2 per 10 ml buffer***. (H_2O_2 is not included)

1. Follow the standard protocol of Western blot. Basing on the size of the blot membrane, prepare the volume of the Buffer (0.5 ml per 10cm^2).

2. Decant the last washing buffer after the secondary antibody incubation, add the ECL Developing Buffer directly on the blot membrane in a container following by adding 30%H_2O_2. Mixing the Buffer with H_2O_2 by shaking the container several times. Incubate the blot membrane with the mixed buffer at RT for 1 min. (Mixed Buffer is stable up to 1 hour)

3. Take the blot membrane by flat-end pincer and let the bottom contact with the absorbent paper to remove the remained liquid. Then pack the blot membrane into the fresh-keeping film, remove the air bubble, and fix the blot membrane in X-ray cassette.

4. Put an X-ray film onto the blot membrane, close the lid in darkroom, and expose for 30-60 sec. You can elongate or shorten the exposure time base on exposure intensity.