

Product Information

The Super-sensitive ECL chemiluminescent reagent is a super sensitive ECL chemiluminescent substrate that can react chemically with horseradish peroxidase(HRP) conjugated to the enzyme-labeled secondary antibody. The Super-sensitive ECL chemiluminescent reagent adds a two-stage enhancement system based on the high-sensitive ECL. The fluorescence signal intensity is 5-10 times higher than that of the high-sensitive ECL, and the signal time is not significantly shortened. It is also suitable for conventional Western blot experiments, and the effect is better when applied to indicators with weak signals.

Components

Components	Size (100mL)	Size (500mL)	Storage
Reagent A	50mL	250mL	4°C, away from light
Reagent B	50mL	250mL	4°C

Operation steps

1. After incubation with HRP- labeled secondary antibody or HRP-labeled primary antibody , wash the blot membrane with TBST for 10 min × 4 times;
2. Prepare the corresponding volume of substrate working solution according to the ratio of Reagent A: Reagent B 1:1. Approximately 1.25 ml of substrate working solution is required for every 10 cm² blotting membrane ;
3. Drain the TBST on the surface of the blotting membrane on clean absorbent paper and spread it flat on clean plastic wrap;
4. Sprinkle the prepared substrate working solution evenly on the surface of the blotting membrane. After reacting for 2-5 minutes, pour off the substrate working solution on the surface .
5. Place the blot membrane between two layers of plastic wrap, use a glass rod to remove excess liquid, place it in an imaging device for photography.

Notes

1. When taking Reagent A and Reagent B, always use separate pipette tips to avoid cross-contamination, which may lead to reagent inactivation.
2. After using Reagent A and Reagent B, please cover the bottle caps tightly and put them back into the 4°C refrigerator to avoid long-term exposure which may cause the reagents inactivation.
3. Prepare the working solution before use. Once it reacts with the blotting membrane, please detect the fluorescence signal within 20 minutes;
4. Both Reagent A and Reagent B are harmful to the human body. Please wear disposable gloves and masks when operating.
5. Reagent A needs to be shaken well before use.