



TECHNICAL MANUAL

Super Sensitivity Chemiluminescent Substrate (ECL) Detection Kit

- **SKU CODE:** AGEL3540
- **SIZE:** 50 mL / 100 mL / 500 mL
- **RUO:** Research-Use-Only

Super Sensitivity Chemiluminescent Substrate (ECL) Detection Kit

Please read entire manual carefully before starting experiment.

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1. Product Description

The Super Excellent Chemiluminescent Substrate (ECL) Detection Kit is a horseradish peroxidase (HRP) substrate, which can be used to detect horseradish peroxidase (HRP) labeled proteins or nucleic acids, analyze protein content by Western blot or ELISA, and is compatible with film and digital development system.

The special ingredients contained in this product can effectively reduce non-specific luminescence and background luminescence, even if exposed for a long time, the background is still extremely low.

The signal of this product decays slowly, and the luminescence is not significantly weakened after 30 min, and the luminous intensity can still reach about 70% of the highest luminous intensity after 120 min.

For Research Use Only.

2. Kit Contents

No	Component Name	50 mL	100 mL	500 mL	Storage
1	Super ECL Substrate A	25 mL	50 mL	250 mL	2~8°C
2	Super ECL Substrate B	25 mL	50 mL	250 mL	2~8°C
3	Manual	One Copy			

3. Storage & Expiry

Store at 2~8°C for 12 months.

4. Experimental Procedure

1. Western Blot

1. Follow the step of Western Blotting to block the membrane and incubate the primary/secondary antibody.
2. Wash the membrane with TBST for 3 times, 5 min each time.
3. Prepare ECL Working Solution by mixing equal parts of the ECL Substrate A and ECL Substrate B.

Note: Prepare the working solution before use, and change the pipette tips during the suction process.

4. Take an appropriate amount of mixed ECL Working Solution and add it to the membrane.
5. Adjust the exposure time according to the intensity of the luminous intensity.

5. Important Notes

1. Before using this product, the imprinting film must be thoroughly washed, otherwise it may cause the background to rise.
2. ECL Substrate A and ECL Substrate B must be prepared before use, and change the pipette tips during the suction process.
3. Do not expose ECL working solution to sunlight or strong light, otherwise it will cause its inactivation, and laboratory light will have little effect on the working solution.
4. NaN₃ inhibits HRP activity, NaN₃ should be avoided during the experiment.

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Assay Genie 100% money-back guarantee!

If you are not satisfied with the quality of our products and our technical team cannot resolve your problem, we will give you 100% of your money back.

