TOOLS Ultra ECL-HRP Substrate

Cat. no. TU-ECL02

Storage: 2-8 ℃ in the dark for up to 12 months. Do not freeze.

Product Size:

Component	Solution A	Solution B
Size	250 mL	250 mL

Introduction

TOOLS Ultra ECL-HRP Substrate is a ready-to-use chemiluminescent substrate with high sensitivity and a unique chemiluminescent system. This reagent is suitable for detecting direct and indirect conjugated HRP antibodies and related antigens. TOOLS Ultra ECL-HRP Substrate detects the target protein sensitively with relatively low background noise, high stability, and enhanced signal. After HRP catalysis, this chemiluminescent substrate becomes highly compatible with other HRP-based detection methods, such as Western blotting, dot plot, or protein array, whether in PVDF, nylon, or nitrocellulose membranes in most of the commonly used buffer solutions.

Note:

Quality: High purity and excellent detection efficiency.

Flexible: If signals are too strong, dilute with ddH2O.

Cost-effective: 1 mL of ECL can be used for one 25-cm2 membrane.

Stable: The ECL premix is stable for 1 week at 2–8 °C or 3 days at room temperature.

Easy to use: TOOLS Ultra ECL-HRP Substrate is easy to use without the need to change established protocols.

Protocol

1. Mix equal volumes of solution A and solution B thoroughly in a clean container.
2. Place the membrane in a clean box or plastic wrap. Add TOOLS Ultra ECL-HRP Substrate onto the membrane.

Note:

1. Volume: 1 mL of the working solution can be used for a 25-cm^2 membrane.
2. Incubation is not needed.

3. Remove excess liquid between the blot and surface of the membrane protector.
4. Put a piece of X-ray film on top of the membrane, expose for 1 min, and develop the film by using the appropriate developing solution and fixative immediately.

Note: Exposure time varies for different antibodies/samples.

Product information

	TOOLS Ultra ECL-HRP Substrate	TOOLS Extreme ECL-HRP Substrate
Cat No.	TU-ECL02	TU-ECL03
Sensitivity	~1-3 pg	~400 fg
Exposure time	1 minute	30 seconds

This product is for research only, not for diagnostic and clinical use.