

Quick Start Guide

Immobilon® ECL UltraPlus

Western HRP Substrate

WBULP-10ML, WBULP-20ML, WBULP-100ML

Introduction

Immobilon® ECL UltraPlus detection reagent is a two-part non-isotopic, luminol-based chemiluminescence substrate, designed for the chemiluminescent detection of immobilized proteins conjugated with horseradish peroxidase (HRP). It is compatible with both PVDF and nitrocellulose blotting membranes, as well as commonly used buffers and blocking reagents.

For research use only.
Not for use in diagnostic procedures.

Package Contents

Cat. No.	Solution Volumes	Membrane Area
WBULP-10ML	5 mL Enhancer Solution 5 mL Peroxide Solution	Sufficient for 200 cm ²
WBULP-20ML	10 mL Enhancer Solution 10 mL Peroxide Solution	Sufficient for 400 cm ²
WBULP-100ML	50 mL Enhancer Solution 50 mL Peroxide Solution	Sufficient for 2000 cm ²

Storage

Store at room temperature for up to one year from date of receipt.

Chemiluminescent Detection Protocol

Prepare Immobilon® ECL UltraPlus substrate working solution by gently mixing the Enhancer and Peroxide Solutions in a 1:1 ratio, 0.1 mL per cm² of membrane area. Store all reagents and working solutions protected from light until ready to use.

Recommended working solution volumes for common blot sizes:

Blot Size	Immobilon® ECL UltraPlus Substrate Volume
7 × 8.4 cm	6 mL
10 × 10 cm	10 mL
8.5 × 13.5 cm	12 mL

1. Place the blot, protein-side up, in a clean container and add Immobilon® ECL UltraPlus substrate working solution onto the blot.
2. Incubate the blot for 1 to 5 minutes at room temperature.
3. Drain the excess substrate and transfer to a clean sheet protector or plastic wrap for detection.
4. Visualize blots using a CCD-based imaging system or place blots into film cassette and expose to suitable x-ray film for required amount of time to capture.

Technical Assistance

Visit the tech service page on our web site at [SigmaAldrich.com/techservice](https://www.sigmaaldrich.com/techservice).

Safety Data Sheet and User Guide

Safety Data Sheets (SDS) and full User Guide are available on the product page at [SigmaAldrich.com](https://www.sigmaaldrich.com).

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Document Template 00035533 Ver 1.0

20595728w Ver 3.0, 20609266 Ver 3.0, Rev 05JUL2024, AU