

ReliaBLOT[®] Chemiluminescent HRP Substrate



Catalog No.
WB110

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- Description:** Bethyl Laboratories ReliaBLOT[®] Chemiluminescent HRP Substrate includes a luminol solution (component A) and a peroxide buffer solution (component B).
- Amount:** 55 ml component A and 55 ml component B
- Application:** The ReliaBLOT[®] Chemiluminescent Substrate is a two-component enhanced chemiluminescent substrate for the sensitive detection of Horseradish Peroxidase (HRP) in membrane blotting applications.
- Preparation:** Prepare a working solution by mixing equal parts of component "A" and component "B". Minimally, 0.04 - 0.05 ml of working solution is recommended per cm² of membrane. For western blot analysis, after incubation with the secondary HRP-conjugated antibody and washing steps, develop the blot as follows:
1. Use forceps to remove the membrane from the last wash and blot the edge on a paper towel to remove excess wash buffer. Place the membrane on a clean surface.
 2. Pipette the working solution onto the entire surface of the membrane and incubate at room temperature for 5 minutes.
 3. Use forceps to lift the membrane and drain off substrate. Blot the edge of the membrane on a paper towel to remove excess substrate.
 4. Place the membrane in plastic membrane protector (e.g. plastic film wrap or a page protector). Smooth out bubbles between the membrane and the plastic protector.
 5. Expose the membrane to film or a charged-coupled device (CCD) camera. Exposure times will vary in length and will need to be empirically determined.
- Storage:** 2 – 8°C
- Stability:** The ReliaBLOT[®] Chemiluminescent Substrate components are until expiration date when stored at 2 – 8°C and protected from light. The mixture is stable for several hours at room temperature when protected from light.
- Expiration Date:** See lot specific data sheet.
- Related Products:** ReliaBLOT[®] Transfer Buffer (10x) WB106-500

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MATERIAL SAFETY DATA SHEET

Contents Description

This product contains a luminol solution and a peroxide buffer solution, both with a proprietary formulation.

Hazardous Ingredients

All materials may present unknown hazards. The components are known to be basic and cause respiratory tract, eye, and skin irritation. Contains material that can cause target organ damage. Follow safe laboratory practices; wear chemical resistant gloves, safety glasses/goggles, cotton filter mask, laboratory apron, in ventilated area.

Disposal Guidelines

Observe all Federal, State and Local laws concerning health and pollution.

The above information is believed to be correct but does not purport to be all-inclusive and is intended to be used only as a guide. Bethyl Laboratories, Inc. shall not be liable or responsible in any way for use of either this information or the material supplied. Disposal of hazardous material may be subject to federal, state, or local laws or regulations.