

# RayBiotech Floodlight Chemiluminescent HRP Membrane/Blotting Substrate (RB-FLDLGT)

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## **Product Description:**

RayBiotech Floodlight Chemiluminescent HRP Membrane/Blotting Substrate can detect horseradish peroxidase at the femtogram level. RayBiotech chemiluminescent substrates provide superior sensitivity compared to competitor products. These reagents are stable for 30 to 45 days after mixing at 4°C. The substrate is supplied as two components.

## **Hazard Identification:**

Please see MSDS.

## **Product Stability, Storage and Specifications:**

Floodlight Chemiluminescent HRP Membrane/Blotting Substrate shelf life is 18 months when stored in the dark at 2° C to 8° C. Keep container tightly closed. Store RayBiotech RB-FLDLGT away from heat or light.

## **Product Use:**

### **MEMBRANE DIRECTIONS**

1. Store the reagents, HRP-A and HRP-B, at 4-8°C.
2. Mix equal volumes of HRP-A and HRP-B **in a clean container** and equilibrate at room temperature for 30 minutes before use.
3. HRP enzyme substrate has a wide range to detect HRP enzyme on a membrane. Lower enzyme detection is at the femto gram level and the highest concentration of HRP enzyme detection may be one nano gram depending on the source of the HRP enzyme.
4. Do not contaminate the HRP enzyme substrate with HRP enzyme or other proteins.
5. For good results, wash your tube, microtiter plate or membrane with 0.2M phosphate buffer, pH 8.4 to 8.6, and then use the substrate.
6. Best results for chemiluminescence can be obtained from 5 minutes to 30 minutes after contacting substrate with HRP enzyme.

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