

RayBiotech ReadyLight Chemiluminescent HRP Membrane/Blotting Substrate (RB-RDYLGT)

Product Description:

RayBiotech ReadyLight Chemiluminescent HRP Membrane/Blotting Substrate is luminol based and can detect horseradish peroxidase at high sensitivity levels (low picogram to femtogram). It provides superior sensitivity and convenience compared to competitor products. The substrate is supplied as **ONE** component. ReadyLight Chemiluminescent HRP Membrane/Blotting Substrate may be used for any blotting application utilizing horseradish peroxidase (HRP)-conjugates. The substrate can be used with various blocking buffers and on nitrocellulose or PVDF membranes. Such blots will exhibit low backgrounds. Detection and analysis may be done by CCD imaging systems or x-ray film.

ReadyLight Chemiluminescent HRP Membrane/Blotting Substrate is a one component ready to use reagent providing unique convenience, sensitivity and reduced costs for kit manufacturers.

- No mixing is required.
- Get consistent results by avoiding aliquoting and mixing errors.
- Kit manufacturers can reduce costs by eliminating additional bottles and superfluous packaging.

Hazard Identification:

Please see MSDS.

Product Stability, Storage and Specifications:

ReadyLight Chemiluminescent HRP Membrane/Blotting Substrate has a minimal shelf life of 18 months when stored in the dark at 2° C to 8° C. Keep container tightly closed. Store RayBiotech ReadyLight Chemiluminescent HRP Membrane/Blotting Substrate away from heat or light.

Product Use:

- Equilibrate an aliquot of RB-RDYLGT at room temperature before use. Aliquot into a clean container. Do not contaminate the substrate with HRP enzyme or other proteins. Never pipette directly from the RB-RDYLGT stock substrate storage bottle or pour used or aliquoted solution back into the stock vessel.
- Avoid increasing backgrounds by handling Blots with clean gloves and clean forceps. Forceps contaminated with rust can lead to an unwanted reaction and increased backgrounds.
- Analytes can be applied to membranes as a dot blot or via gel transfer. Blotting conditions should be optimized for each assay system. Use approximately 100 uL of RB-RDYLGT per square centimeter of membrane.
- Place membrane in a clean, dry vessel. Add RB-RDYLGT to the membrane and incubate at room temperature for optimal detection. Best results for chemiluminescence can be obtained from one to 10 minutes after contacting substrate with HRP enzyme.
- Remove excess substrate by blotting on filter paper. Cover membrane with clear plastic wrap and visualize by either x-ray film or a CCD imaging system.
- RB-RDYLGT substrate has a wide range to detect HRP enzyme on a membrane.

These products are for research and manufacturing use only and are not intended for use in humans, therapeutic or diagnostic purposes. Sales are without any seller's warranty or representation, expressed or implied, by usage or otherwise; no claims beyond replacement of unacceptable material and no refund of purchase price shall be allowed. All claims must be made within 30 days following date of delivery.
