

RayBiotech Smartlight Chemiluminescent HRP Membrane/Blotting Substrate (RB-SMRTLGT)

Product Description:

RayBiotech Smartlight Chemiluminescent HRP Membrane/Blotting Substrate can detect horseradish peroxidase at extremely low femtogram levels. It is an ultra sensitive substrate. RayBiotech chemiluminescent substrates provide superior sensitivity compared to competitor products and are more economical. These reagents are stable for at least 14 days after mixing when stored at 4°C. The substrate is supplied as two components. Substrate may be used for any ELISA application utilizing horseradish peroxidase (HRP) conjugates. The substrate can be used with various blocking buffers. Detection and analysis requires a chemiluminometer.

Hazard Identification: Please see MSDS.

Product Stability, Storage and Specifications:

Smartlight 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-SMRTLGT away from heat or light.

Product Use:

ELISA DIRECTIONS

1. Store the reagents, RB-SMRTLGT-A and RB-SMRTLGT-B, at 2-8°C. Mix equal volumes of RB-SMRTLGT-A and RB-SMRTLGT-B **in a clean container** and equilibrate to room temperature before use.
2. Do not contaminate the HRP enzyme substrate with HRP or other proteins. Never pipette directly from the RB-SMRTLGT stock or pour aliquoted solution back into the stock vessels.
3. Analytes can be assayed in appropriate microtiter plates designed for chemiluminescence. Conditions should be optimized for each assay system. RB-SMRTLGT is extremely sensitive and very high HRP concentrations can “burn out” the substrate. It is recommended to use approximately 100 uL of RB-SMRTLGT working solution per well. Incubate at room temperature for optimal detection. Use a chemiluminometer for detection. Optimal detection may be obtained up to 20 minutes after substrate contact. RB-SMRTLGT substrate has a wide range to detect HRP enzyme in a soluble environment. Lower enzyme detection is at the femto gram level.

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