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**62-0200-0900**

## **Q-Bright Extreme Chemiluminescent Detection Kit 62-0200-0900**

*Q-Bright* Extreme (62-0200-0900) chemiluminescent detection reagent is a high-sensitivity, luminol-based substrate for horseradish peroxidase (HRP). *Q-Bright* Extreme provides much greater sensitivity compared to *Q-Bright* Endure and is comparable to many of the available commercial reagents providing mid- to low-femtogram levels of detection in western blot, ELISA and other chemiluminescent-based applications.

Components:	32-0209-0200 Chemiluminescent Substrate Solution 32-1222-0200 Stable Peroxide Solution
Sensitivity:	low to mid-femtogram
Preservative:	0.1% Kathon CG/ICP
Storage and Handling:	Store at 4° C. <i>May ship at ambient temperature.</i>
Unit sizes:	<i>Q-Bright</i> Endure is available in 20ml, 100ml, and 200ml unit sizes.

### **Instructions for Use**

*Q-Bright* Extreme Chemiluminescent Detection Kit (62-0200-0900) Working Solution is prepared by combining equal parts of the Chemiluminescent Substrate Solution and the Stable Peroxide Solution before use. Allow working solution to equilibrate to room temperature before applying to the membrane.

For western blots, using optimized concentrations of primary antibody (10-200ng/ml) and HRP conjugated secondary antibody (1-10ng/ml), develop the membrane with a minimum of 0.1ml of Working Solution per cm<sup>2</sup> of membrane. Allow signal to develop for 5 minutes before imaging. The chemiluminescent signal can be developed using x-ray film or chemiluminescent imagers.

### **Chemiluminescent Product Line**

The *Q-Bright* series of chemiluminescent reagents for HRP detection come in a variety of formulations and working ranges. When matched with the appropriate Antibody-HRP or Streptavidin-HRP conjugate, the result is high sensitivity, low background and sustained duration in immunoassays.

FOR RESEARCH USE ONLY. THIS PRODUCT IS A LABORATORY REAGENT AND IS NOT TO BE ADMINISTERED TO HUMANS OR ANIMALS. IT IS NOT TO BE USED FOR ANY DIAGNOSTIC OR THERAPEUTIC PURPOSE. NOT FOR RESALE.  
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