

# Product Datasheet

## NovaLume Femto Chemiluminescent Substrate (HRP), Blotting LUMST-100

Unit Size: 100 ml

Store at 4C in the dark.

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**LUMST-100****NovaLume Femto Chemiluminescent Substrate (HRP), Blotting**

<b>Product Information</b>	
<b>Unit Size</b>	100 ml
<b>Concentration</b>	Please see the protocols for proper use of this product. If no protocol is available, contact technical services for assistance.
<b>Storage</b>	Store at 4C in the dark.
<b>Product Description</b>	
<b>Description</b>	Lumi Super Tracker Luminol based substrates can detect horseradish peroxidase at the femtogram level. Novus Biologicals chemiluminescent substrates provide superior sensitivity compared to competitor products and at a very economical price point. The substrate is supplied as two components.
<b>Kit Components</b>	HRP-A, HRP-B
<b>Notes</b>	Lumi Super Tracker shelf life is 18 months when stored in the dark at 2C to 8C. These reagents are stable for 30 to 45 days after mixing at 4C. Keep container tightly closed. Store away from heat or light.
<b>Product Application Details</b>	
<b>Application Notes</b>	Membrane Directions: 1. Store the reagents, HRP-A and HRP-B, at 4-8C. 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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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Support products are guaranteed for 6 months from date of receipt.

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