

# Product Datasheet

## NovaLume Plus Chemiluminescent Reagent LUM-555-100ml

Unit Size: 100 ml

Store at 4C in the dark.

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**LUM-555-100ml****NovaLume Plus Chemiluminescent Reagent**

<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>Specificity/Sensitivity</b>	NovaLume-Plus Increased Sensitivity Chemiluminescent ELISA Substrate
<b>Notes</b>	Novus' stabilized NovaLume-Plus Chemiluminescent Reagent is a Luminol based substrates and can detect horseradish peroxidase at the femtogram level. Novus' chemiluminescent substrates provide superior sensitivity compared to competitor products. These reagents are stable for 30 to 45 days after mixing at 4C. The substrate is supplied as two components.
<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.



### **Novus Biologicals USA**

10730 E. Briarwood Avenue  
Centennial, CO 80112  
USA  
Phone: 303.730.1950  
Toll Free: 1.888.506.6887  
Fax: 303.730.1966  
nb-customerservice@bio-techne.com

### **Bio-Techne Canada**

21 Canmotor Ave  
Toronto, ON M8Z 4E6  
Canada  
Phone: 905.827.6400  
Toll Free: 855.668.8722  
Fax: 905.827.6402  
canada.inquires@bio-techne.com

### **Bio-Techne Ltd**

19 Barton Lane  
Abingdon Science Park  
Abingdon, OX14 3NB, United Kingdom  
Phone: (44) (0) 1235 529449  
Free Phone: 0800 37 34 15  
Fax: (44) (0) 1235 533420  
info.EMEA@bio-techne.com

### **General Contact Information**

www.novusbio.com  
Technical Support: nb-technical@bio-  
techne.com  
Orders: nb-customerservice@bio-techne.com  
General: novus@novusbio.com

### **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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