

# ECL Chemiluminescent Substrate Reagent Kit

Technical literature is available at: [www.mesgenbio.com](http://www.mesgenbio.com). E-mail MesGen Technical Services if you have questions on use of this system: [tech@mesgenbio.com](mailto:tech@mesgenbio.com)



Catalog Number : MG2034

Lot Number : Refer to vial

## Background

Luminol reagent is a non-radioactive, light-emitting system for detecting proteins on a Western blot membrane. Horseradish peroxidase mediates oxidation of Luminol reagent in the presence of hydrogen peroxide and this reaction produces an iridescent light. Western blotting Luminol reagent is recommended for Western blotting enhanced chemiluminescence applications using Horseradish Peroxidase (HRP) conjugated secondary antibodies. One Western blotting Luminol reagent contains equal volume Solution A and Solution B, which combine to form sufficient chemiluminescence reagent. Extended exposure times (multiple exposures) to film made possible by long-duration signal.

## Package contents

Package	Components		Remarks
	Solution A	Solution B	
60ml	30ml	30ml	Sufficient for 480 cm <sup>2</sup> of membrane
100ml	50ml	50ml	Sufficient for 800 cm <sup>2</sup> of membrane
250ml	125ml	125ml	Sufficient for 2000 cm <sup>2</sup> of membrane

## Detection procedure

1. Mix Detection Solution A & B at a 1:1 ratio.
2. Immediately add the mixture to the blot. Use 0.125 ml working solution per cm<sup>2</sup> of membrane.
3. Incubate the blot for about 1 minute at room temperature.
4. Drain excess reagents.
5. Cover blot with a clear plastic sheet protector or clear plastic wrap.
6. Expose blot to X-ray film.

## Storage

Store at 2-8° C for longer periods up to 12 months. Store in the dark.

*For Research Use Only. Not For Use In Diagnostic Procedures.*