

Lumigen[®] ECL Ultra (TMA-6)

Chemiluminescent Reagent

Suggested Product Handling Instructions

Storage:

Store bottled product at 2-8° C.
Protect from light contamination.

Do not freeze.

Use:

*Use in subdued light. Indirect incandescent lighting is preferred. Exposure to direct light will cause elevated background.

- 1) Allow solutions A and B to come to room temperature (Approximately 1 hour for 100 mL)
- 2) Gently invert (4-5 times) solutions A and B in their packaged containers to assure homogeneity prior to dispensing. **Avoid vigorous agitation of reagent.**
- 3) Dispense the amount needed of solutions A and B into two separate new opaque HDPE or PP plastic containers. Containers should be opaque or covered with aluminum foil to protect from direct light (daylight or artificial).
- 4) Mix equal parts solutions A and B in a new opaque HDPE or PP plastic container.
- 5) Allow mixed working solution to sit for at least 2 minutes prior to use.
- 6) **Do not mix again before use.**
- 7) For Western blotting application, add the working solution onto membrane with horse radish peroxidase bound protein, and let stand for 2 minutes.
- 8) Place the membrane sandwiched between two clear plastic sheets. Wipe away excess solution with a tissue leaving a thin layer of solution on the membrane.
- 9) Capture chemiluminescent signal on an x-ray film or using an imager.

For ELISA applications, add the working solution into microtiter wells with horse radish peroxidase bound protein, and capture the chemiluminescent signal on a luminometer.

Repackaging:

Repackaging of Lumigen products is discouraged as reliability can be compromised by contamination. Bottling is available from Lumigen to suit the volume demands for your specific work process.

If you choose to repackage, new opaque HDPE or PP plastic containers are required. The high temperatures in the container molding process destroy potential contaminants.

Reusing and washing of containers can lead to contamination and subsequent high background.

LUMIGEN

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