

Lumigen ECL Extra

Western Blotting HRP Substrate

Lumigen ECL Extra (TMA-3) is a proprietary acridan based chemiluminescent substrate for highly sensitive detection of Western blotted and ELISA captured proteins.

- ✦ **Very rapid onset of chemiluminescence** – images can be recorded in seconds
- ✦ **Sustained signal duration** – over several hours allows convenient imaging
- ✦ **Reduced antibody usage** – more than 10-fold reduction in the usage of expensive antibody conjugates
- ✦ **Temperature insensitive** – analytical results are insensitive to temperatures from 22°C - 35°C reducing the need for precise temperature control

Stable Working Solution

A significant feature of Lumigen ECL Extra is its excellent stability. Unlike most other chemiluminescent peroxidase substrates, the working solution is stable at room temperature for at least one week and at 2-8°C for at least one month. With this stability, the working solution can be prepared and stored for later use.

Rapid Peak Intensity

Reaction of the substrate with HRP enzyme generates rapid luminescence of very high intensity within seconds. Peak intensity of light emission occurs at 440 nm.



Product Specifications

Enzyme	Horseradish Peroxidase (HRP)
Application	Western Blotting and ELISA
Sensitivity	Low picogram to mid femtogram

Ordering Information

Description	Catalog Number
Lumigen ECL Extra (100 mL)	TM3-100
Lumigen ECL Extra (1L)	TM3-1000