

Lumi-Phos 530

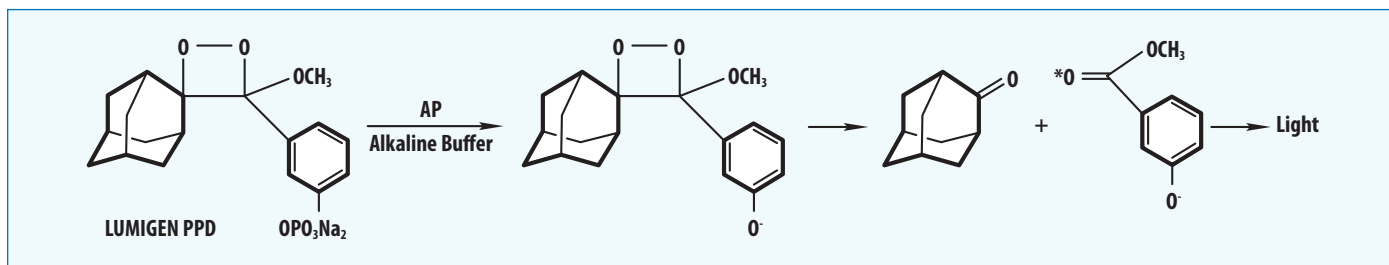
ELISA AP Substrate

Lumi-Phos 530 is a ready-to-use chemiluminescent reagent formulation containing the alkaline phosphatase (AP) substrate, Lumigen PPD. Lumi-Phos 530 is useful for chemiluminescent

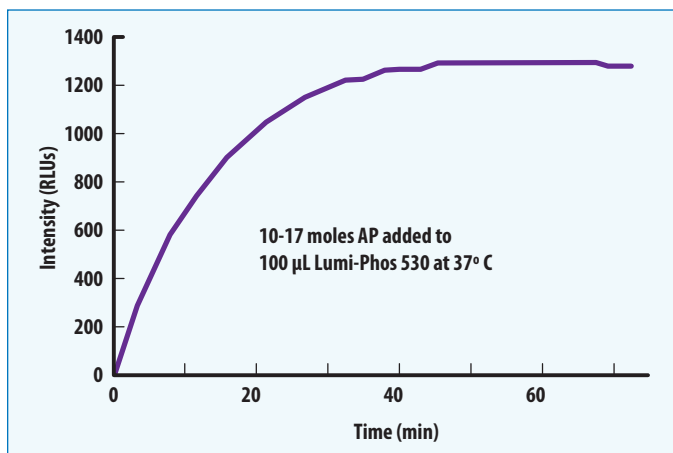
detection of AP conjugates in immunoassays and DNA probe assays. It provides ultra-sensitive detection of analytes captured on magnetic particles and in microtiter plate wells.

- ✦ **Excellent sensitivity** – 10,000 times more sensitive than colorimetric substrates in solution
- ✦ **High intensity light production** – with low concentrations of AP the light intensity remains constant for several hours
- ✦ **Linear calibration curves** – the luminescence intensity at any time point is a direct measure of the concentration of the enzyme

Reaction Mechanism

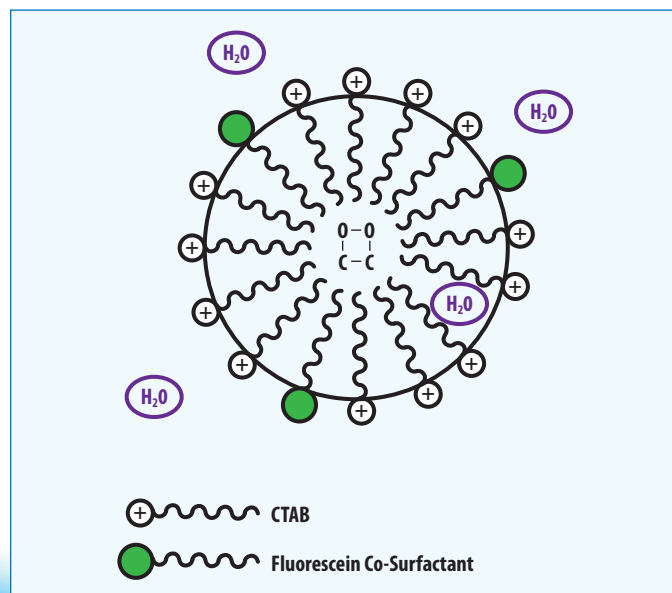


Solution Kinetic Profile



Chemiluminescent Enhancement

The unique co-surfactant system promotes energy-transfer to the fluorescent head groups causing the generation of luminescence with a broad maximum at 530 nm.





Product Specifications

| | |
|--------------------|---|
| Enzyme | Alkaline Phosphatase (AP) |
| Application | Microtiter well and bead-based ELISA assays |
| Sensitivity | Low picogram to femtogram |

Ordering Information

| Description | Catalog Number |
|-------------------------------|----------------|
| Lumi-Phos 530 (100 mL) | P-501 |
| Lumi-Phos 530 (1 L) | P-5000 |

Please visit www.LUMIGEN.com or contact LUMIGEN to request a quote.

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