

# ELISTAR-ONE chemiluminescent substrates

## for immunoassay developers and manufacturers

### Overview

ELISTAR-ONE is a line of chemiluminescent substrates for horseradish peroxidase (HRP) based immunoassays. The use of chemiluminescent substrates is most recommended for quantitative assays requiring an extended dynamic range or qualitative assays requiring the best achievable detection limit.

### Features

#### Proprietary technology

Pre-mixed solutions: ready-to-use formats to provide increased consistency in the immunoassay results and to avoid pipetting errors and possible contaminations.

Outstanding performance: excellent sensitivity, specificity, signal stability and lot-to-lot consistency.

Rapid: bright signal that can be measured immediately within one minute, avoiding long incubations or the addition of stopping reagents, like in traditional colorimetric assays.

Ideal for developing chemiluminescent immunoassays: different levels of sensitivity within the class.



### Different levels of sensitivity available for your immunoassay

Cyanagen offers a family of products with three different sensitivity levels, allowing detection in the picogram to low femtogram range (Figure 1).

Our proprietary technology enables fine-tuning of signal intensity in order to obtain a customized assay sensitivity best suited to meet the demands of assay manufacturers.



**Figure 1. ELISTAR-ONE selection guide.** Detection of 2-fold dilutions of HRP in a 96 microplate. Imager: ImageQuant™ LAS 4000 (GE Healthcare).

### Storage at room temperature

ELISTAR-ONE chemiluminescent substrates have a 12 months shelf life when properly stored at room temperature.

### Selection guide

Product	Cat#	Assay sensitivity	Volume
ELISTAR-ONE BASIC	XLSEU209	Sensitive (low picograms)	250 mL
ELISTAR-ONE PLUS	XLSEU211	Very Sensitive (mid femtograms)	250 mL
ELISTAR-ONE EXTREME	XLSEU213	Ultra Sensitive (low femtograms)	125 mL