revvity

The power of Western Lightning[™] ONE.

One-reagent substrates for Western blotting

Get the consistency you demand from your western blot experiments with pre-mixed, one-reagent horseradish peroxidase (HRP) chemiluminescent substrates.

Our Western Lightning ONE pre-mixed substrates provide sensitivity from picogram to low femtogram, for the flexibility to detect a broad range of protein levels.

Use our Western Lightning ONE reagents to validate CRISPR experiments, *in vivo* imaging studies, and more.

Features at a Glace

- **Premixed, one-reagent, ready-to-use solution** for ease of use
- High signal-to-noise ratio
- Stable at room temperature for 1 year
- Three levels of sensitivity from mid-picograms to low femtograms, for all your detection needs
- Consistent results by avoiding pipetting errors and potential contamination, for increased confidence
- Compatible with all protein imaging technology chemiluminescence imagers and X-ray film
- Suitable for different types of membranes and blocking reagents





Discover our Western Lightning ONE chemiluminescent substrates

Part number	Chemiluminescent substrate	Features	Unit size
NEL130001EA	Western Lightning ONE Pico	 Mid-picogram detection Ideal for most routine analysis of abundant proteins Low background for high signal to noise ratio 	25 mL
NEL131001EA			250 mL
NEL132001EA			500 mL
NEL140001EA	Western Lightning ONE Femto	 Mid-femtogram detection Well-suited for a wide range of antibody dilutions Detects protein levels with high signal intensity 	25 ML
NEL141001EA			250 mL
NEL142001EA			500 mL
NEL150001EA	Western Lightning ONE Femto Ultra	 Low femtogram detection Low antibody consumption Detects protein levels with superior signal intensity 	25 mL
NEL151001EA			125 mL
NEL152001EA			250 mL

Comparison of Western Lightning ONE versus major competitors:

Performance and signal duration

Western blotting detection of HDAC-1 in Hela cell lysate. Exposure time is 120 secs for each time point.

Performance	Signal duration
Detection level: Mid-picogram	
	Western Lighthning" ONE Pico Competitor T (2 Reagents) Competitor M (1 Reagent)
Western Lightning [™] ONE Pico	the second secon
Competitor T (2 Reagents)	2h
Competitor M (1 Reagent)	In In
	ah Sh
Detection level: Mid-femtogram	
Western Lightning TM ONE Femto	Western Lightning=ONE Femito Competitor M Competitor B Competitor T (1 Reagent) (2 Reagents) (2 Reagents)
Competitor M (1 Reagent)	2h
Competitor B (2 Reagents)	
Competitor T (2 Reagents)	4h 5h
Competitor I (2 Reagents)	ah

Detection level: Low femtogram

 Western Lightning [™] ONE Femto Ultra	Western Lightning [™] ONE Femto Ultra	Competitor M (1 Reagent)	
 Competitor C (2 Reagents)	Oo -		Oh
 Competitor B (2 Reagents)			lh
 Competitor T (2 Reagents)			
 Competitor M (1 Reagent)			2h

For more information visit www.Revvity.com

Revvity, Inc.

940 Winter Street Waltham, MA 02451 USA

www.revvity.com





For a complete listing of our global offices, visit www.revvity.com Copyright ©2023, Revvity, Inc. All rights reserved.