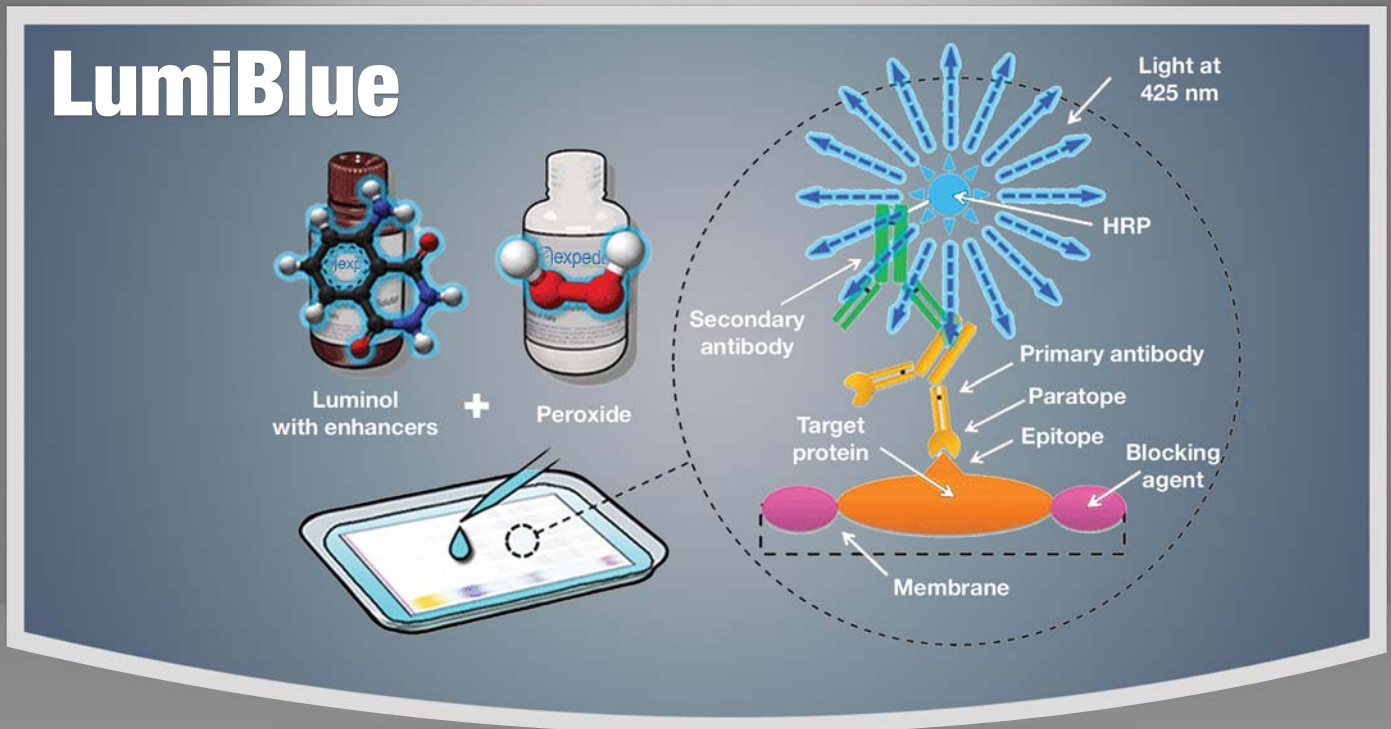
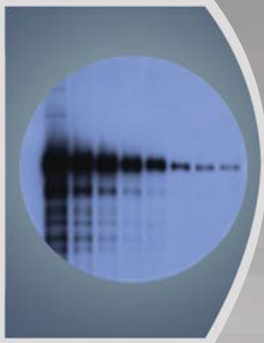


# LumiBlue Western Blot Substrates



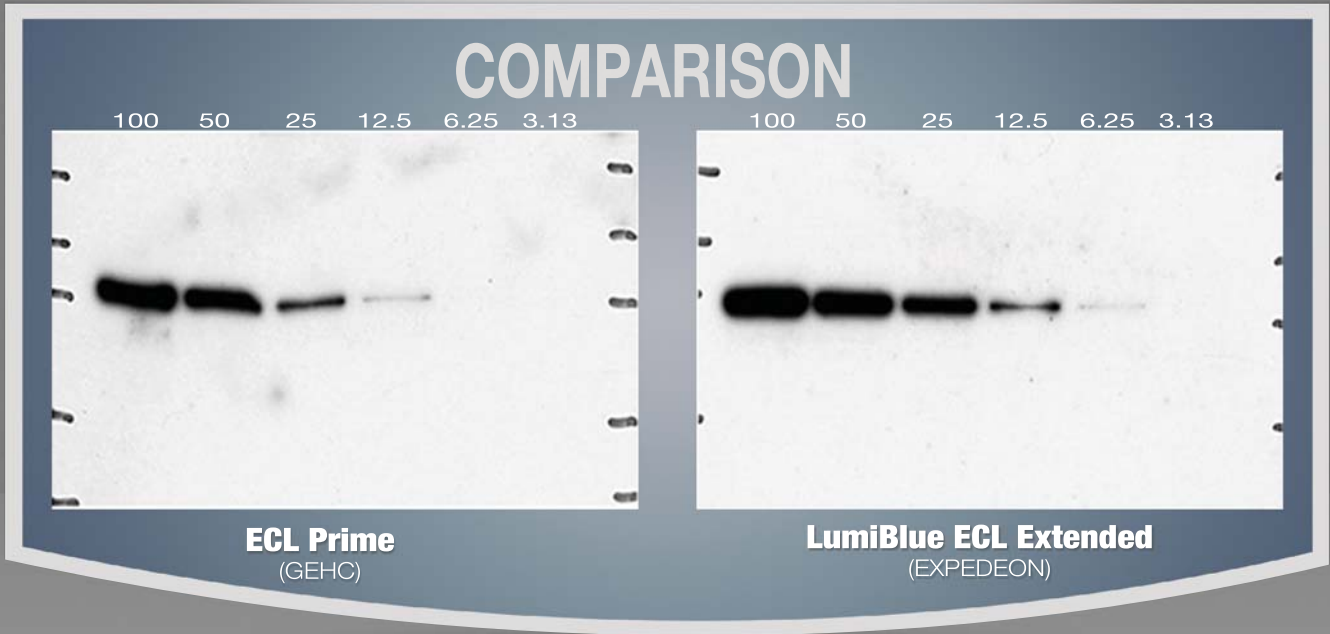
## KEY BENEFITS

- Enhanced solution stability**  
 Working solution stable for up to 5 days
- Prolonged and enhanced signal Stability**  
 Signal stable for 30 minutes
- Wide range of products**  
 Suitable for low and high abundant proteins
- Compatible with existing work flows**  
 No changes or optimisation required when switching to our product



Description	Detection level	Primary benefits	Signal Intensity	Protein Abundance	1 Ab dilution	2nd Ab dilution
ECL Extreme	50 fg	Most sensitive - high end blotting	Extremely high	very low	1/5,000 - 1/100,000	1/100,000-1/500,000
ECL Extended	150 fg	Very sensitive with extended signal duration for longer exposures	Very high	low	1/5,000 - 1/50,000	1/50,000-1/250,000
ECL Extra	500 fg	High S/N ratio	high	medium	1/1,000 - 1/15,000	1/25,000-1/150,000
ECL Pico	1 pg	excellent performance for routine experiments	medium	high	1/500 - 1/5,000	1/20,000-1/100,000
ECL Express	20 pg	Routine product with more stable working solutions, better S/N ratio, stable light emission	Standard	high	1/100 - 1/5,000	1/1,000-1/15,000

# Delivering excellent performance with high sensitivity and low background



**Primary antibody:** 1/10.000 react 16 hours (4°C)  
**Secondary antibody:** anti-Rabbit IgG (GE) 1/400.000 1 hour  
**X-ray film exposure time:** 3 minutes

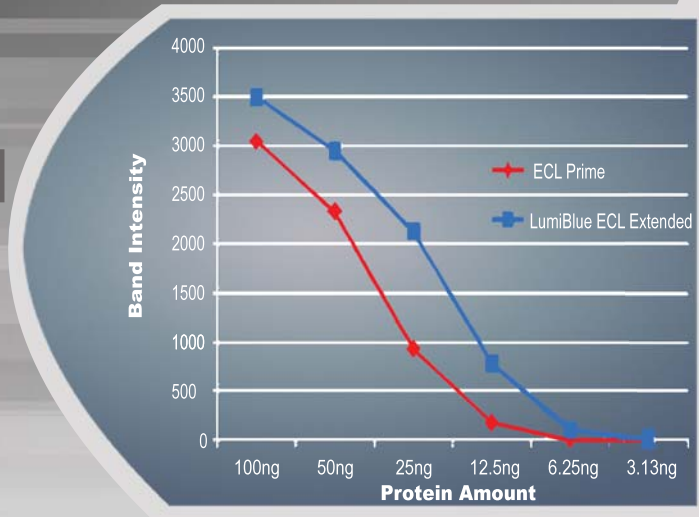
## SIGNAL QUANTIFICATION

Protein amount	Band intensity
100 ng	3049
50 ng	2329
25 ng	930
12.5 ng	179
6.25 ng	ND
3.13 ng	ND

ECL Prime

Protein amount	Band intensity
100 ng	3495
50 ng	2952
25 ng	2123
12.5 ng	779
6.25 ng	100
3.13 ng	ND

LumiBlue ECL Extended



### Ordering information

Product Code	Description
ECLM0100	ECL Extreme - 2x50 mL kit
ECLM0200	ECL Extreme - 2x100 mL kit
ECLD0100	ECL Extended - 2x50 mL kit
ECLD0200	ECL Extended - 2x100 mL kit
ECLA0250	ECL Extra - 2x125 mL kit
ECLA0500	ECL Extra - 2x250 mL kit
ECLP0100	ECL Pico - 2x50 mL kit
ECLP0250	ECL Pico - 2x125 mL kit
ECLP0500	ECL Pico - 2x250 mL kit
ECLS0250	ECL Express - 2x125 mL kit
ECLS0500	ECL Express - 2x250 mL kit