

# WESTAR-ECO

## ECL Substrates in TABLETS

### Overview

Compact and light, with sustainable use of water and no possible contaminations, WESTAR-ECO is the new, innovative single-use tab format for ECL for Western blotting designed to match the aim for ecological, responsible technology.

The WESTAR-ECO concept allows sensible reductions in the use of paper, plastics, and kit total weight and volume compared to the standard liquid formulation, with a correlated decrease in CO<sub>2</sub> emissions in the kit distribution:



### Technical Features

Saving compared to liquid formats	
Paper	-72%
Plastics	-81%
total weight	-85%
packaging volume	-74%

- CO<sub>2</sub> emission reduction – The kit is now more compact, 74% smaller, and 85% lighter, allowing an evident decrease in CO<sub>2</sub> emissions in the transports.
- Paper and plastics reduction – Packaging is light and small, allowing a 72% reduction in paper use and 81% in plastics compared to standard liquid kits.
- Sharing of water use – Optimization in water use, a fundamental aspect of the green approach, is another target of this format. Dedicated and limited pure water use in each lab at the moment of the test replaces a single large production of ultra-pure water at the manufacturing. Sustainable and waste-free sharing in the exploitation of this vital commodity is possible.
- Avoid contaminations – The tablet single-use format minimizes the solutions' contamination risks.



# WESTAR-ECO SUPER

## ECL Substrate in TABLETS

### Overview

WESTAR-ECO SUPER is an ultra-sensitive substrate with an outstanding signal intensity, low background and stable light output at the low-femtogram level.

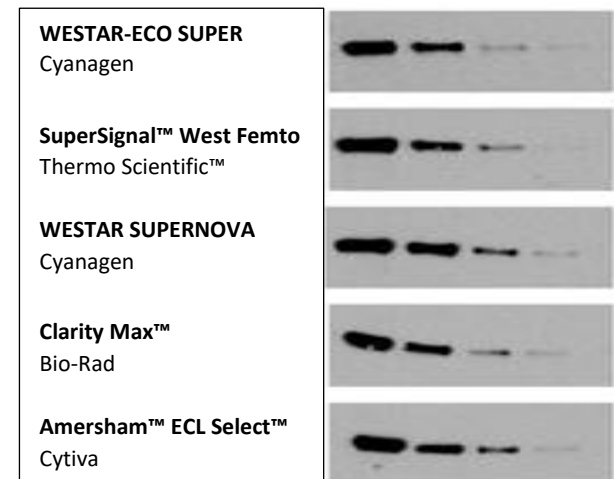
The kit is sized for twenty single uses: one tablet of formulation A and one of formulation B dissolved in 5 millilitres of pure water are valid for a 50 cm<sup>2</sup> membrane. Dissolving takes less than fifteen minutes and can be carried out while secondary antibodies are incubated.

WESTAR-ECO SUPER exhibits top-level performance for the most challenging Western blotting application. With its very high signal-to-noise, this substrate is capable of detecting very low amounts of protein.



### Technical Features

WESTAR-ECO SUPER can substitute the top performers substrates currently available on the market without any change in protocol (Fig.1)



**Figure 1. Western blotting detection of HDAC-1 on HeLa cell lysate with WESTAR-ECO SUPER and other chemiluminescent reagents in the same sensitivity range.**  
Sample: 2-fold dilution series of HeLa whole cell lysate (abcam®) from 2.5µg to 0.039 µg of total protein. Membrane: Trans-Blot® Turbo™ Mini Nitrocellulose Transfer Packs (Bio-Rad). Blocking: 2% ECL™ Blocking Agent (GE Healthcare) in PBS-T.

Shelflife: one year at 4 °C  
Shipping conditions: RT (15–25°C)

### ORDER INFORMATION

Product	code	size
<b>WESTAR-ECO SUPER</b>	XLS310,020	20 rxn (equivalent to 100 mL)
	XLS310,004	4 rxn - Trial Size (equivalent to 20 mL)

### CONTACTS US

#### Commercial info:

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