WESTAR Western Blotting Kits

For Chemiluminescent Detection of HRP Conjugates

	Westar ETAC High Sensitivity	**Westar SuperNova** Extreme Sensitivity
Signal intensity	High	
Signal duration	Good	
Protein quantity	Medium Abundance	
Detection limit	High-femtogram	
Primary Ab dilution*	1:1000 – 1:15000	1:5000 – 1:100,000
Secondary Ab dilution*	1:25000 – 1:150,000	1:100,000 – 1:500,000

*from 1mg/ml antibody stock solution

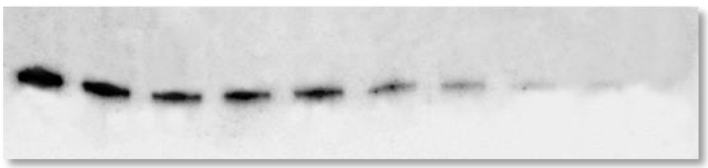
- Two Component format, simply mix and use
- Excellent Stability
- Broad range of sensitivities and different signal duration
- Compatible with both PVDF and nitrocellulose membranes

Comparative performance evaluation of WESTAR Supernova and ETAC

Human Transferrin was diluted (5 to 0.5ng) and electrophoresis performed. The gels were transferred to PVDF membranes, blocked and incubated with different dilutions of rabbit anti-transferrin. After washing, the membranes were incubated with different dilutions of HRP-conjugated goat anti-rabbit antibody. The membranes were washed again and then incubated with substrate. Blots were acquired with ImageQuant LAS 4000 (GEHC) with 300s exposure time.

Transferrin conc **5.0 4.5 4.0 3.5 3.0 1.5 1.25 1.0 0.75 0.5 ng**

Primary Ab: **1:4,000** *Secondary Ab:* **1:40,000**



Primary Ab: **1:30,000** *Secondary Ab:* **1:200,000**

Geneflow Limited, Paul Fisher House, 1 The Sycamore Tree, Elmhurst Business Park, Lichfield, Staffs, WS13 8EX
Tel: 01543 414704, Fax: 01543 255666, Email: sales@geneflow.co.uk, Web: www.geneflow.co.uk

WESTAR Western Blotting Kits

For Chemiluminescent Detection of HRP Conjugates

WESTAR ETAC

WESTAR ETAC substrate is readily prepared by mixing two components; a luminol/enhancer solution and a peroxide solution in a one-to-one ratio

In particular, WESTAR ETAC offers:

Extended signal duration: allows sufficient time to make multiple exposures for publication-quality blots

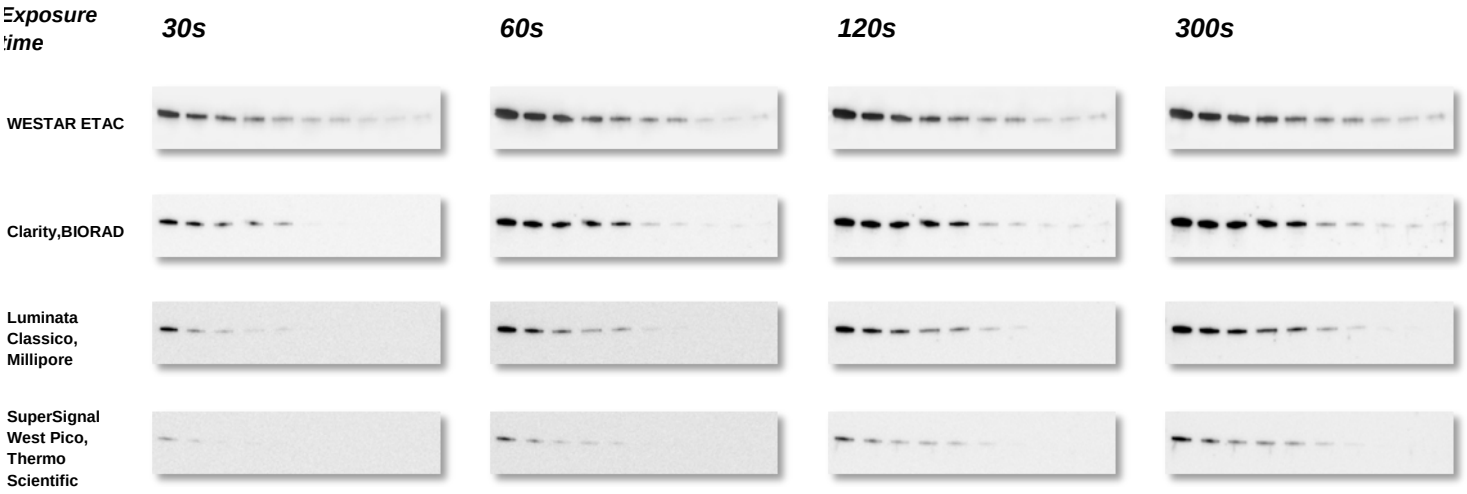
High sensitivity: high-femtogram limit of detection

Excellent for: medium-abundance proteins

Antibody dilution range*	
Primary:	1:1,000÷1:15,000
Secondary:	1:25,000÷1:150,000

*from 1 mg/ml of antibody stock solution

Comparative performance evaluation with Western Blot assay



Human Transferrin diluted (5 to 0.5ng) and electrophoresis performed. The gels were transferred to PVDF membranes, blocked and incubated with a 1:4,000 dilution of rabbit anti-transferrin. After washing, the membranes were incubated with 1:40,000 dilutions of HRP-conjugated goat anti-rabbit antibody. The membranes were washed again and then incubated with substrate. All blots were performed according to their manufactorer's instructions with the same operative conditions. Blots were acquired with ImageQuant LAS 4000 (GEHC) with 30s, 60s, 120s and 300s exposure time.

Geneflow Limited, Paul Fisher House, 1 The Sycamore Tree, Elmhurst Business Park, Lichfield, Staffs, WS13 8EX
Tel: 01543 414704, Fax: 01543 255666, Email: sales@geneflow.co.uk, Web: www.geneflow.co.uk

WESTAR Western Blotting Kits

For Chemiluminescent Detection of HRP Conjugates

WESTAR Supernova

WESTAR Supernova substrate is readily prepared by mixing its two components, a luminol/enhancer solution and a peroxide solution in a one-to-one ratio.

In particular, WESTAR Supernova offers:

Maximum savings of antibodies:
minimum quantity of expensive primary and secondary antibodies

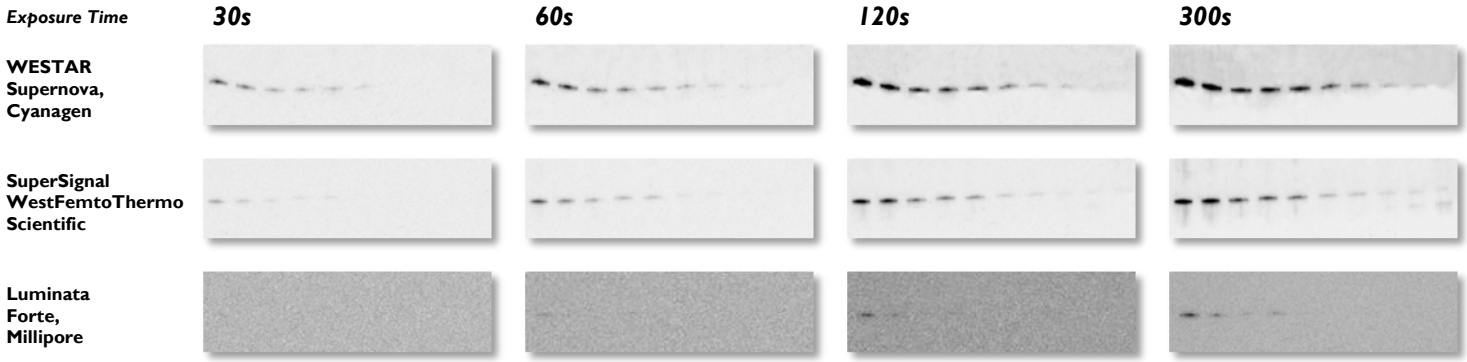
Extreme sensitivity: low-femtogram limit of detection

Excellent for: very low-abundance proteins

Antibody dilution range*	
Primary:	1:5,000÷1:100,000
Secondary:	1:100,000÷1:500,000

*from 1 mg/ml of antibody stock solution.

Comparative performance evaluation with Western Blot assay



Human Transferrin diluted (5 to 0.5ng) and electrophoresis performed. The gels were transferred to PVDF membranes, blocked and incubated with a 1:30,000 dilution of rabbit anti-transferrin. After washing, the membranes were incubated with 1:200,000 dilutions of HRP-conjugated goat anti-rabbit antibody. The membranes were washed again and then incubated with substrate. All blots were performed according to their manufactorer's instructions with the same operative conditions. Blots were acquired with ImageQuant LAS 4000 (GEHC) with 30s, 60s, 120s and 300s exposure time.

Geneflow Limited, Paul Fisher House, 1 The Sycamore Tree, Elmhurst Business Park, Lichfield, Staffs, WS13 8EX
Tel: 01543 414704, Fax: 01543 255666, Email: sales@geneflow.co.uk, Web: www.geneflow.co.uk