

ECL Western Blotting Ultimate Sensitivity Substrate

Key Features



High Sensitivity

detect targets down to low
-femtogram level —VQ4726
detect targets down from low
-picogram to mid femtogram —VQ4727

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ECL Western Blotting Ultimate Sensitivity Substrate (Femto)

ECL Western Blotting Sensitivity Substrate (Pico)

Cat. No.

VQ4726-100 VQ4726-500

VQ4727-100 VQ4727-500 100mL 500mL

Size

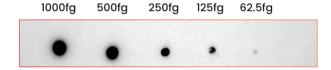
100mL 500mL



Excellent Stability

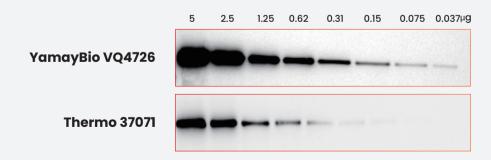
24 hours working solution stability

Ultra-high sensitivity at real femtogram level!



The 1 mg/mL actin–HRP antibody was serially diluted to obtain concentrations of 1000, 500, 250, 125, and 62.5 fg/ μ L. 1 μ L of each dilution was spotted onto an NC membrane. After spotting, the membrane was developed with YamayBio VQ4726 for 5 minutes.

Product Comparison

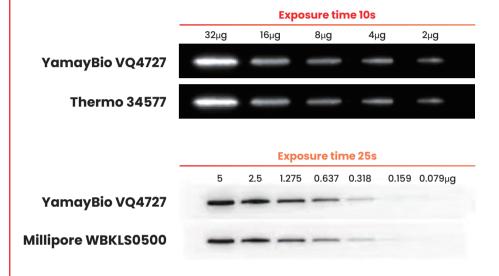


Lysate: A431 whole cell lysates
MW: GAPDH-36kD
Primary antibody: Anti-GAPDH, dilution at 1:5000
Secondary antibody: Goat anti-Mouse IgG(H+L),HRP
conjugated at 1:5000 dilution
Exposure duration: 10 seconds

YamayBio VQ4726 offers higher femtogram-level sensitivity than Thermo 37071.

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Product Comparison



Lysates: MCF-7 whole cell lysates Primary antibody: GAPDH, dilution at 1:5000 Secondary antibody: Goat anti-Rabbit IgG(H+L), HRP conjugatedat 1:5000 dilution

Lysates: A549 whole cell lysates
Primary antibody: GAPDH, dilution at 1:5000
Secondary antibody: Goat anti-Rabbit IgG(H+L),
HRP conjugated at 1:5000 dilution

All three products, YamayBio VQ4727, Thermo 34577, and Millipore WBKLS0500, exhibit picogram-level sensitivity. VQ4727 and Millipore WBKLS0500 demonstrate comparable sensitivity, which is slightly superior to that of Thermo 34577.

Tips for finding the perfect product

	Detection limit	Primary and secondary antibody dilutions (from Img/ml stock)	Features
VQ4626	Low to mid femtogram	Primary antibody 1:10,000 Secondary antibody 1:50,000-1:100,000	High sensitivity substrate for low-ab undance protein targets
VQ4627	Low picogram to mid femtogram	Primary antibody 1:5,000 Secondary antibody 1:20,000-1:500,000	Ideal for routine western blotting, enabling accurate detection of both low and high abundance proteins



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