



WESTAR-ONE

single solution chemiluminescent substrates for Western Blotting

SELECTION GUIDE

WESTAR-ONE line includes three products with different levels of sensitivity, from picograms to low femtograms, covering all detection needs.

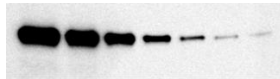
WESTAR-ONE pre-mixed solutions, based on proprietary technology, provide convenience, increased consistency in your results, avoiding pipetting errors and possible contaminations.

WESTAR-ONE substrates storage is at Room Temperature (RT).

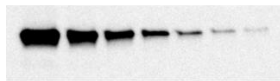
Product	Competitors	When to use
WESTAR-ONE BASIC Cod. XLSU177	AMERSHAM™ ECL™ - GE HEALTHCARE AMERSHAM ECL START™ - GE HEALTHCARE PIERCE™ ECL-THERMO SCIENTIFIC™ IMMOBILON® CLASSICO - MILLIPORE™	Entry-level substrate for very abundant proteins
WESTAR-ONE PLUS Cod. XLSU178	CLARITY™ - BIO-RAD SUPERSIGNAL™ WEST DURA -THERMO SCIENTIFIC™ AMERSHAM™ ECL PRIME™ - GE HEALTHCARE SUPERSIGNAL™ WEST PICO PLUS - THERMO SCIENTIFIC™ IMMOBILON® CRESCENDO - MILLIPORE™ WESTERNBRIGHT™ QUANTUM™ - ADVANSTA	Everyday applications, improved sensitivity over base level ECL.
WESTAR-ONE EXTREME Cod. XLSU180	IMMOBILON® FORTE - MILLIPORE™ CLARITY MAX™ - BIO-RAD SUPERSIGNAL™ WEST FEMTO-THERMO SCIENTIFIC™ AMERSHAM™ ECL SELECT™ - GE HEALTHCARE WESTERNBRIGHT™ SIRIUS™ - ADVANSTA WESTERN LIGHTNING™ ULTRA-PERKINELMER	Target is the least abundant, very high sensitivity

WESTAR-ONE BASIC

Our entry level pre-mixed substrate for mid-picogram detection level.



WESTAR-ONE BASIC - Cyanagen



Pierce™ ECL - Thermo Scientific™



Immobilon® Classico - Millipore

Western blotting detection of HDAC-1 on HeLa cell lysate with WESTAR-ONE BASIC and its competitors.

Sample: Two-fold dilution series of HeLa whole cell lysate (abcam®) from 5 µg to 0.078 µg of total protein

Primary antibody: Rabbit-anti Human HDAC-1 (abcam®) 1:2000

Secondary antibody: Goat anti-rabbit IgG HRP (2mg/mL) (abcam®) 1:20000

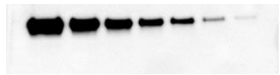
Imaging: ImageQuant™ LAS 4000 (GE Healthcare). Exposure time: 120 seconds

WESTAR-ONE PLUS

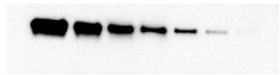
Versatile pre-mixed substrate for mid-femtogram detection level.

Less optimization required.

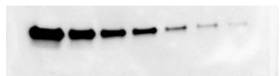
High sensitivity combined with a broad linear dynamic range for an accurate quantification of both low and high abundance proteins in the same experiment.



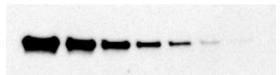
WESTAR-ONE PLUS - Cyanagen



Immobilon® Crescendo - Millipore



Clarity™ - BIO-RAD



SuperSignal™ West Pico PLUS - Thermo Scientific™

Western blotting detection of HDAC-1 on HeLa cell lysate with WESTAR-ONE PLUS and its competitors.

Sample: Two-fold dilution series of HeLa whole cell lysate (abcam®) from 5 µg to 0.078 µg of total protein

Primary antibody: Rabbit-anti Human HDAC-1 (abcam®) 1:5000

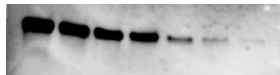
Secondary antibody: Goat anti-rabbit IgG HRP (2mg/mL) (abcam®) 1:75000

Imaging: ImageQuant™ LAS 4000 (GE Healthcare). Exposure time: 120 seconds

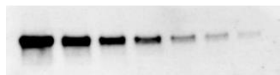
WESTAR-ONE EXTREME

The most sensitive chemiluminescent single ECL substrate available to date for low-femtogram detection level.

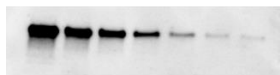
Excellent signal intensity to detect very low amounts of proteins reducing the needed quantity of antibodies.



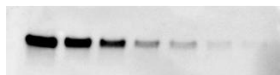
WESTAR-ONE EXTREME - Cyanagen



Amersham™ ECL Select™ - GE Healthcare



Clarity Max™ - BIO-RAD



SuperSignal™ West Femto - Thermo Scientific™



Immobilon® Forte - Millipore

Western blotting detection of HDAC-1 on HeLa cell lysate with WESTAR-ONE EXTREME and its competitors.

Sample: Two-fold dilution series of HeLa whole cell lysate (abcam®) from 2,5 µg to 0.039 µg of total protein

Primary antibody: Rabbit-anti Human HDAC-1 (abcam®) 1:10000

Secondary antibody: Goat anti-rabbit IgG HRP (2mg/mL) (abcam®) 1:200000

Imaging: ImageQuant™ LAS 4000 (GE Healthcare). Exposure time: 120 seconds