Owi ECL RevelBIOt® Femto

Technical Data Sheet

Reference: 258498

For RESEARCH USE ONLY

SIZE: 100 ml (For 1000 cm² membrane, 2 X 50ml)

STORAGE TEMPERATURE: Room temperature

SHELF LIFE: one year upon receipt under the recommended conditions or “See expiration date on the bottles”

PRODUCT DESCRIPTION:

Owi ECL RevelBIOt® Femto is a chemiluminescent substrate for HRP with a very intense and stable signal (>24 h), enabling the detection of immobilized antigens on a membrane (Western blot) with a sensitivity threshold in the mid- to low-femtogram range.

QUICK-PROTOCOL:

Step 1	Step 2	Step 3
Protein separation by electrophoresis	Transfer to membrane	Blocking non-specific sites
Step 4	**Step 5**	**Step 6**
Incubation with the primary antibody specific to the antigen to be detected	First Membrane Wash	Membrane Incubation with HRP-Conjugated Secondary Antibody
Step 7	**Step 8**	**Step 9**
Second Membrane Wash	5 minutes Incubation with **Owi ECL RevelBIOt® Femto** active solution (50/50 solution A and solution B)	Exposure of the membrane to an X-ray sensitive film or use of an imager configured for the Western blot

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Important: Proper dilution of the primary and secondary antibodies is essential to obtain high-quality results.
Primary antibody: under standard conditions, the dilution is between 1:1000 and 1:50,000 or 20 ng -1 µg/ml.
HRP conjugated secondary antibody: under standard conditions, for an HRP conjugated antibody at 1 mg/ml, the dilution is between 1:50,000 and 1:250,000 or 4 to 20 ng/ml.

Owi ECL RevelBIOt® Femto WORKING SOLUTION:

The working solution is prepared by mixing equal volumes of Luminol (A) and Peroxide (B). The working solution must fully cover the membrane. Under standard conditions, 0.1 ml of working solution covers 1 cm² of membrane.
The working solution is stable for 24 hours at room temperature. Incubation can be carried out in daylight or in a normally lit room that is normally lit but it is important to keep it away from direct intense light. If the working solution is not used extemporaneously, store it in an opaque bottle.

COMPONENT(S):

2 x 50 ml
Solution A - 50 ml Luminol/Enhancer in a brown bottle
Solution B - 50 ml Peroxide Buffer in a Clear Bottle

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