

Immunofax A 100

Sensitive detection of HRP (Horseradish Peroxidase) marker

Product Data Sheet

YELEN
ANALYTICS

Product Information

Sensitive detection of HRP (Horseradish Peroxidase) marker

Reference: Immunofax A 100

Storage Temperature: 1 years at 2-4°C for Reagent A and B

Technical Bulletin

Product Description

The revelation is the final step in the identification and quantification of proteins by Western Blot (antigen, primary antibodies, secondary antibodies coupled to a marker)

The marker generally used is HRP (Horseradish Peroxidase) and its most sensitive detection is using chemiluminescence detection. The Immunofax A chemiluminescent reagent reveals HRP through Luminol luminescence:



The non-radioactive Immunofax A chemiluminescent reagent allows the use of small amounts of antibodies or low affinity antibodies, with sensitivity (**1 picogram of antigen**), high contrast and an easily quantifiable signal.

Components

The kit is sufficient for 1000 cm² of membrane.

1 Reagent A (100 ml bottle): storage at 2 to 4°C.

1 Reagent B (1.5 ml vial): storage at 2 to 4°C.

Reagents and Equipment Required but Not Provided

Photographic film, CCD camera, Vortex, PBS buffer, Tween or Triton X-100.

Precautions and Disclaimer

This product is for R&D use only, not for drug, household, or other uses.

Preparation Instructions

In a container, dilute 1/100° of solution B in solution A at a rate of 0.1 ml of solution A per cm² of membrane. Mix carefully. Example: for 20 cm² of membrane, dilute 20 µl of solution B in 2 ml of solution A.
The solution (A+B) is immediately ready and can be used optimally for 1 hour.

Procedures

All samples and standards should preferably be run in duplicate or triplicate.

Sample Preparation

The chemiluminescent assay kit Immunofax A is used after the last membrane washing (PBS Buffer with 0.1% Triton X-100 or Tween recommended).

Chemiluminescent Assay Reaction**Incubation:**

1. Distribute homogeneously the solution (A+B) all over the membrane.
2. Incubate for 1 minute with very gentle shaking.
3. Carefully remove the membrane by flushing off the excess of reagent.

Exposure:

1. Place the membrane in the receptacle provided for the revelation system used.
2. Proceed to the exposure of the membrane (photographic film, CCD camera).
For a revelation on photographic film, the exposure can be done for a duration varying from 1 minute to 2 hours depending on the desired sensitivity.

Contact information

Further information on YELEN products, including product bibliographies, is available from our website. Please visit our website — <http://yelen-analytics.com> — for the most up-to-date information.

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