Elabscience®

8th Edition, revised in Oct, 2019

（FOR RESEARCH USE ONLY. DO NOT USE IT IN CLINICAL DIAGNOSIS !）

Endogenous Peroxidase Blocking Buffer

Catalog No： E-IR-R115

Size： 10 mL / 20 mL / 50 mL

Cat.	Products	10 mL	20 mL	50 mL	Storage
E-IR-R115	3% H_2O_2	10 mL	20 mL	50 mL	2~8°C
Manual			**One Copy**		

This manual must be read attentively and completely before using this product.

If you have any problems, please contact our Technical Service Center for help.

Phone: 240-252-7368(USA) Fax: 240-252-7376(USA)
Email: techsupport@elabscience.com
Website: www.elabscience.com

Please kindly provide us the lot number (on the outside of the box) of the kit for more efficient service.

Introduction:

Endogenous Peroxidase Blocking Buffer is mainly used to block endogenous peroxidase in tissues or cells during immunohistochemistry (IHC), immunocytochemistry (ICC) and in situ hybridization (ISH).

Endogenous peroxidase is widely found in some cells and tissues, including red blood cells, kidney and liver, which will result with a high background and even false positive results when using peroxidase method to detect samples. Therefore, cell or tissue samples should be blocked with appropriate peroxidase blocking solution before staining to eliminate the interference of endogenous peroxidase.

The product is 3% H_2O_2, which is a ready-to-use buffer to block the endogenous hydrogen peroxide of the sample without dilution.

Experimental Procedure

1. For IHC or ICC
    1) Paraffin slices need to be dewaxed, hydrated and then repaired. Cell slices and frozen slices can neglect this step.
    2) Suck up the liquid on the surface of the slice, drop appropriate amount of Endogenous Peroxidase Blocking Buffer to cover the sample completely, and incubate at RT for 5~10 min or 37 ℃ for 2~5 min.
    3) Remove the Endogenous Peroxidase Blocking Buffer, wash the sample with washing solution or PBS and other appropriate solutions for 1~3 min/time, 2~3 times. Then, follow the steps, such as blocking and primary antibody incubation.
2. For ISH
    1) Drop appropriate amount of Endogenous Peroxidase Blocking Buffer to cover the sample completely, and incubate at RT for 5~10 min or 37 ℃ for 2~5 min.
    2) Remove the blocking buffer, wash with the washing solution of in situ hybridization for 2~5 min/time, 2~3 times. Then follow the steps such as hybridization.

Storage

Store at 2~8°C for 12 months. The reagents are valid within 6 months after opening.

Cautions

1. For some special cases where it is difficult to use the peroxidase detection system, please try to use the alkaline phosphatase detection system.
2. This product is for research use only. It couldn't be used for clinical diagnosis or treatment, food or medicine, and can't be stored in residence.
3. For your safety and health, please wear the lab coat and disposable gloves before the experiments.