

## Western Secondary Antibody Dilution Solution

### Introduction

Western Secondary Antibody Dilution Buffer is used for diluting secondary antibodies in Western blotting. Secondary antibodies diluted with this buffer can be reused 3–5 times within 1–2 weeks.

The main active components of this product include an optimally balanced amount of BSA, appropriate detergents, and secondary antibody stabilizers. These ingredients effectively reduce non-specific binding of the secondary antibody while extending the stable storage life of the diluted secondary antibody.

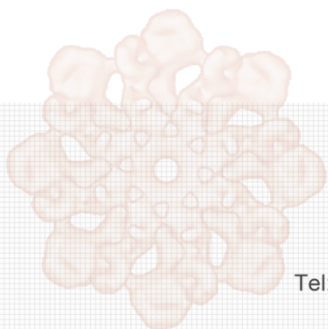
Based on a dilution volume of 10 mL per secondary antibody, one 100 mL package of Western Secondary Antibody Dilution Buffer can be used to dilute 10 secondary antibodies (or for 10 separate dilution uses), and one 500 mL package can be used to dilute 50 secondary antibodies (or for 50 separate dilution uses).

### Protocol

Refer to the instructions for the secondary antibody being used, as well as the quality of the primary antibody and the target protein content in the sample. Dilute the secondary antibody at an appropriate ratio, such as 1:1000, 1:500, etc. Once diluted, the secondary antibody is ready for direct use in Western blotting. After a Western blot run, the diluted secondary antibody can be recovered and stored at 4°C for use in subsequent runs. Typically, it can be reused 3–5 times within 1–2 weeks.

### Note

1. This Western Secondary Antibody Dilution Buffer has been sterilized by filtration. Avoid bacterial contamination during use. It is recommended to use the buffer within one month after opening. If precipitation or bacterial contamination is observed, discard immediately.
2. Storage conditions: Store at 4°C; stable for one year. For long-term storage when not in frequent use, can be stored at -20°C.
3. This product is for scientific use only.



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