

# INSTRUCTIONS



## Restore™ Plus Western Blot Stripping Buffer

46428 46430 46431

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Number	Description
46428	Restore Plus Western Blot Stripping Buffer, 30mL
46430	Restore Plus Western Blot Stripping Buffer, 500mL
46431	Restore Plus Western Blot Stripping Buffer, 5L

**Storage:** Upon receipt store at room temperature. Product shipped at ambient temperature.

### Introduction

Thermo Scientific Restore Plus Western Blot Stripping Buffer provides a robust but gentle method for removing primary and secondary antibodies from Western blots that were detected with chemiluminescent substrates. Restore Plus Western Blot Stripping Buffer allows reprobing saving time and costs when samples are in limited quantities, when the same sample requires analysis by different antibodies and when optimization is required. Traditional stripping methods either adversely alter the proteins on the membrane or use conditions that are effective for only low-affinity antibody-antigen interactions.<sup>1,2</sup> Restore Plus Western Blot Stripping Buffer can be used at room temperature to quickly and effectively strip most high-affinity antigen-antibody interactions.

### Additional Materials Required

- Western blot, previously blocked, probed and detected with a chemiluminescent substrate
- Wash Buffer such as Tris-buffered saline (TBS, Product No. 28376) or phosphate-buffered saline (PBS, Product No. 28372) containing 0.05% Tween®-20 (Product No. 28320)
- Primary and secondary antibodies
- Film or CCD camera for detecting the chemiluminescent signal

5min 室温 完全に浸す  
(抗体反応の容器)  
1分間に1回程度手で揺らす  
スパーに移し speed 130rpm 5min 3回  
1x TBST で洗浄後は

### Protocol for Stripping an Immunoblot

#### Notes:

- When performing multiple strips and reprobing for different antigens, probe for the low-abundant proteins first.
- Restore Plus Western Blot Stripping Buffer will not dissociate interactions between a biotinylated target protein and avidin-conjugated probes.
- Stripping and reprobing fluorescent Western blots is not recommended because results are typically inconsistent.

通常のBlocking  
を行う。

- Wash blots in Wash Buffer to remove the chemiluminescent substrate. Blots may be stored in PBS or TBS at 4°C until the stripping procedure can be performed.
- Place the blot in Restore Plus Western Blot Stripping Buffer and incubate for 5-15 minutes at room temperature. Use a sufficient volume to ensure that the blot is completely wetted (i.e. approximately 20mL for an 8 × 10cm blot).

**Note:** Optimization of both incubation time and temperature is essential for best results. In general, high-affinity antibodies require at least 15 minutes and may require incubation at 37°C.

- Remove the blot from the Restore Plus Western Blot Stripping Buffer and wash in Wash Buffer.
- Block membrane for 30-60 minutes at room temperature or overnight at 2-8°C.