



YamayBio

# Protein-free Blocking Buffer (1×)

INSTRUMENT MANUAL

Research use only.  
Not for diagnostic procedures.

# Contents and storage

Protein-free Blocking Buffer (1×)

BM3152

500ml

Storage: Store at 4°C for 12 months. Product shipped at room temperature.

## Introduction

Protein-Free Rapid Blocking Buffer is a non-protein-based compound that provides effective blocking for membrane- and plate-based protein detection methods, resulting in extremely low background.

Protein-Free Rapid Blocking Buffer contains no endogenous phosphorylated proteins or biotin, resulting in no interference in these detection systems. By selectively blocking the membrane without hindering antibody binding, it significantly improves detection sensitivity.

## Quick Start Protocol

1. After the protein transfer, remove the membrane from the transfer apparatus, then wash in deionized water for 5 minutes, using agitation to remove all transfer buffer.
2. Add 10-20 ml (or a sufficient volume) of blocking buffer to completely cover the membrane.
3. Incubate the membrane in the blocking buffer for 10 minutes at room temperature with shaking. (While a blocking time of 5-15 minutes is generally acceptable, testing with various antibodies has shown that a 10-minute blocking step yields significantly better results compared to a 1-hour blocking step using conventional BSA. For antibodies exhibiting a very high background, extending the blocking time to 30-60 minutes may be beneficial. If necessary, the membrane can also be blocked overnight at 4°C.)
4. Continue with the western blotting procedure that is appropriate for your downstream detection.