

RapidBlock™ Solution 10X

Code	Description	Size
M325-100ML	RapidBlock™ Solution, 10X	100 mL
M325-15ML	RapidBlock™ Solution, 10X	15 mL
M325-15ML-SAMPLE	RapidBlock™ Solution, 10X	15 mL

General Information

VWR Life Science AMRESCO's RapidBlock™ Solution reduces blocking time to 5 minutes for Western and dot blotting procedures on PVDF and nitrocellulose membranes. The protein-free formulation, which minimizes cross-reactivity and non-specific antibody binding, generates blots with low backgrounds and enhanced signal-to-noise ratios. Results with RapidBlock™ meet or exceed those obtained with buffers containing dried milk or BSA that require 1 hour of blocking time.

Transfer buffers (such as Towbin buffer formulation) containing alcohols can increase background levels on both PVDF and nitrocellulose membranes when using RapidBlock™. Alcohol-free transfer buffers, such as AMRESCO's Rapid Transfer Buffer (N789) should be substituted. PVDF membranes can be moistened in methanol prior to use. The sensitivity of chemiluminescent substrates is enhanced in RapidBlock™ treated membranes relative to those blocked with buffers containing dried milk.

Storage/Stability

Store at room temperature (18 to 26°C).

Product Use Limitations

For research use only. Not for therapeutic or diagnostic use.

Protocol/Procedure

Note: Transfer buffers (such as Towbin buffer) containing alcohols can increase background levels on both PVDF and nitrocellulose membranes when using RapidBlock™. Alcohol-free transfer buffers, such as AMRESCO's Rapid Transfer Buffer (N789), should be substituted. PVDF membranes can be moistened in methanol prior to use.

1. Dilute RapidBlock™ Solution, 10X, with deionized water to make a 1X RapidBlock™ Solution prior to use.
2. Following your normal transfer procedure, place your blot into enough 1X RapidBlock™ Solution to cover the blot completely and allow for free movement. Block for 5 minutes at room temperature with gentle agitation.
3. Place the blot into primary antibody diluted in 1X RapidBlock™ Solution and incubate 1-4 hours at room temperature or overnight at 4°C if desired.
4. Wash the blot three (3) times for 10 minutes each in at least 10 ml TBST (Tris Buffered Saline/0.1% Tween 20; Code: M235).
5. Incubate the blot in secondary antibody diluted in 1X RapidBlock™ Solution for 30 minutes to 1 hour at room temperature.
6. Wash the blot three (3) times for 10 minutes each in at least 10 mL TBST.
7. Incubate blots with the appropriate substrate, such as AMRESCO's VisiGlo™ HRP Chemiluminescent Substrate (N218).

References

Towbin, H., et al., Electrophoretic transfer of proteins from polyacrylamide gels to nitrocellulose sheets: procedure and some applications. Proc. Natl. Acad. Sci. U. S. A. 76, 4350, (1979)



For Technical Support

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