


ReadyProbes™ Avidin/Biotin and Streptavidin/Biotin Blocking Solution (1X)

Catalog Numbers R37627, R37628

Pub. No. MAN0019343 Rev. A.0

 **WARNING!** Read the Safety Data Sheets (SDSs) and follow the handling instructions. Wear appropriate protective eyewear, clothing, and gloves. Safety Data Sheets (SDSs) are available from thermofisher.com/support.

Product description

ReadyProbes™ Avidin/Biotin Blocking Solution (1X) blocks/quenches endogenous biotin, biotin receptors, and avidin binding sites present in many types of tissue. This reduces the background signal in immunohistochemistry (IHC), immunocytochemistry (ICC), immunofluorescence (IF), and in situ hybridization (ISH) procedures.

ReadyProbes™ Streptavidin/Biotin Blocking Solution (1X) blocks endogenous biotin, biotin receptors, and streptavidin binding sites present in many types of tissue. This reduces the background signal in immunohistochemistry (IHC), immunocytochemistry (ICC), immunofluorescence (IF), and in situ hybridization (ISH) procedures.

Contents and storage

Product	Cat. No.	Amount	Storage ^[1]
ReadyProbes™ Avidin/Biotin Blocking Solution (1X)	R37627	<ul style="list-style-type: none"> • Component A^[2]: Avidin • Component B^[2]: Biotin 	2–8°C
ReadyProbes™ Streptavidin/Biotin Blocking Solution (1X)	R37628	<ul style="list-style-type: none"> • Component A^[2]: Streptavidin • Component B^[2]: Biotin 	

^[1] When stored as directed, product can be used for 6 months after receipt.

^[2] 18 mL ready to use (1X) solution

Protocol

1. Perform usual tissue preparation or fixation/permeabilization of cells.
2. Block cells or tissue for non-specific background.
For a non-specific blocker, use 2.5–5% serum from the same or similar species as the host species of secondary antibody.
3. Wash the tissue/cells for 3 minutes in PBS or TBS at room temperature. Repeat this wash 2 more times.
4. Add a few drops of ReadyProbes™ Avidin or ReadyProbes™ Streptavidin Blocking Solution (Component A) and incubate for 15 minutes at room temperature.
5. Wash the tissue/cells for 3 minutes in PBS or TBS at room temperature.
6. Add few drops of ReadyProbes™ Biotin Blocking Solution (Component B) and incubate for 15 minutes at room temperature.
Note: Biotin solution incubation should always follow the Avidin solution incubation.
7. Wash the tissue/cells for 3 minutes in PBS or TBS at room temperature. Repeat this wash 2 more times.

Proceed with the rest of the immunohistochemistry (IHC), immunocytochemistry (ICC), immunofluorescence (IF), or *in situ* hybridization (ISH) procedure.

Limited product warranty

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For descriptions of symbols on product labels or product documents, go to thermofisher.com/symbols-definition.

The information in this guide is subject to change without notice.

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