



Catalog Number: 4800-30-06

Size: 30 μ L

Concentration: 100 μ g/mL

Streptavidin-HRP Detection Solution

DESCRIPTION

Streptavidin-Horseradish Peroxidase Detection Solution (Streptavidin-HRP) contains streptavidin covalently linked to horseradish peroxidase. It is a component of TACS™ *in situ* Apoptosis Detection Kits that use TACS Blue Label™ (TBL) or diaminobenzidine (DAB) for the colorimetric detection.

APPLICATIONS

Use Streptavidin-HRP in colorimetric *in situ* apoptosis detection protocols. Streptavidin-HRP binds to biotinylated nucleotides incorporated into the fragmented DNA of apoptotic cells by TdT enzyme, for *in situ* detection. The peroxidase catalyzes the conversion of a soluble substrate into a colored, insoluble material that precipitates at the sites of DNA fragmentation. This material is tested and approved for use in TACS *in situ* Apoptosis Detection Kits that utilize DAB or TBL detection.

Streptavidin-HRP is suitable for use with TdT (TA4625 and TA4626), CardioTACS™ (TA5353), NeuroTACS™ (TA900), and TumorTACS™ (TA5411) in situ Apoptosis Detection Kits.

STORAGE

This product is stable when stored at 2 - 8° C. **Do not freeze.**

INSTRUCTIONS FOR USE

Exact reagent concentration and incubations must be determined empirically for different samples. Conditions described here are suggested starting points from which optimal reaction conditions can be determined.

- ◆ **DAB Detection:** For each sample, add 1 μ L Streptavidin-HRP to 50 μ L of 1X PBS. Store on ice until use.
- ◆ **TBL Detection:** Dilute the Streptavidin-HRP 1:500 in TBL-Streptavidin-HRP Diluent (4800-30-BL). For 1-10 samples, add 1 μ L of Streptavidin-HRP to 500 μ L Diluent. For CardioTACS, dilute Streptavidin-HRP 1:800.

Pipet 50 μ L of the diluted Streptavidin-HRP onto each sample. Cover with a hydrophobic coverslip. Incubate at 18 - 24° C for 10 minutes. Immediately following incubation, proceed to the next step in the *in situ* apoptosis detection procedure. Refer to the instructions provided with each TACS *in situ* Apoptosis Detection Kit for complete details.

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