



PRODUCT SPECIFICATIONS

Product **5X IN SITU HYBRIDIZATION (ISH) BLOCKING SOLUTION**

Catalog MB-1220

Amount 100 ml

Lot No. Y1218

Storage 4 °C

Usage Information:

This product is designed to be used as a general blocking agent/diluent for enzyme-based and fluorescent *in situ* hybridization. Before use, shake well and dilute 5x ISH Blocking Solution to 1x with deionized or distilled water.

After hybridization of labeled DNA/RNA probes, tissue sections or chromosome spreads should be blocked for ≥ 30 minutes in 1 x In Situ Hybridization Blocking Solution before application of detection reagents.

Detection reagents can be diluted in 1 x blocking solution for approximately 30 minutes before use to further reduce any non-specific binding.

Slides can be washed for 2 x 3 minutes in 1x blocking solution between each detection step.

For enzyme-based detection, wash tissue sections or chromosome spreads 2 x 5 minutes with TBS* or PBS* before applying substrate. Enzyme substrate should be made according to kit instructions.

For fluorescence detection, wash tissue sections or chromosome spreads for 2 x 5 minutes in 4x SSC* + 0.1% Tween[®] 20 before coverslipping.

This solution should not be used with antibodies that cross react with bovine proteins (e. g. anti-goat Ig, anti-sheep Ig).

For additional information, request ISH Detection Systems Brochure or visit our website.

* TBS (Tris buffered saline; 0.1M Tris, 0.15M NaCl, pH 7.5);

PBS (Phosphate buffered saline: 10mM sodium phosphate, 0.15M NaCl, pH 7.5);

4xSSC (0.6 M NaCl, 60 mM sodium citrate, pH 7.0)