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Datasheet for ABIN1607925

Blocking Buffer for Fluorescent Western Blotting (Thimerosal free)

Overview

Quantity:	10 x 500 mL
Application:	Western Blotting (WB)

Product Details

Purpose:	Blocking Buffer for Fluorescent Western Blotting THIMEROSAL FREE 10-PACK
Specificity:	Blocking buffer for Western Blotting was prepared using ultra pure reagents dissolved in pharmaceutical grade water (WFI) and consists of a proprietary protein formulation in TRIS buffered saline at pH 7.6.
Characteristics:	<p>Fluorescence technology is widely used to detect proteins. However, many common visible fluorophores often result in considerable background fluorescence in the visible range. Visible fluorophores are rarely used for membrane-based protein detection because of this high background. IRDye™800, IRDye™700DX, Alexa Fluor® 680 and Cy5.5™ antibody and reagent conjugates are specifically designed for protein detection methods that use longer-wavelength, near-infrared (IR) fluorophores to visualize proteins in western blotting and other applications. IRDye™800 and IRDye™700DX fluoresce outside the range of most autofluorescence and therefore specific signal is sharply evident from any background giving the best possible signal-to-noise ratio. Detection levels in the picogram range on Western blots rival the sensitivity of chemiluminescence on film. IRDye™800 conjugates are also suitable for immunofluorescence microscopy using commercially available excitation/emission filters in the 780nm/820nm range. Dual simultaneous labeling in western blots or microscopy is achieved when IRDye™800 conjugates are used in conjunction with IRDye™700 or Cy5.5™ conjugates. IRDye™800 and IRDye™700DX conjugates provide an ultra-sensitive and convenient alternative to standard chemiluminescent protein detection methods, as well as a valuable tool for multicolor imaging. Once reacted with the membrane and dried, IRDye™800 and IRDye™700DX conjugated</p>

Product Details

antibody-protein complexes are very stable, and membranes can be stored protected from light, re-washed and/or rescanned. This blocking buffer is specifically formulated to achieve superior reproducible western blotting images using this system.

Purification: This product was aseptically filtered through a Millipore 0.22 micron filter into clean, pre-sterilized containers. The product was tested on trypticase soy agar for 24 hours, 48 hours and 72 hours and was found to be negative for bacteria.

Sterility: Sterile filtered

Endotoxin Level: Low Endotoxin : No

Application Details

Application Notes: Optimum performance is achieved using this product undiluted. However, this blocking solution can often be diluted 1:1 in TBS without a significant loss of performance. This buffer was prepared using ultra pure reagents dissolved in pharmaceutical grade water (WFI) and consists of a proprietary protein formulation in TRIS buffered saline at pH 7.6.

Comment: Synonyms: Multiplex Blocking Buffer, Fluorescent Blocking Buffer, Blocking Solution, Blocking Buffer Western Blot, IRDye Western Blot Blocking Buffer, Alexa Dye Blocking Buffer, DyLight Blocking Buffer

Restrictions: For Research Use only

Handling

Format: Liquid

Storage: 4 °C

Storage Comment: Store vial at 4 °C prior to opening. DO NOT FREEZE.

Expiry Date: 6 months