

Specification

Blocking Reagent CA

A3409

Product Code:	A3409
Product Name:	Blocking Reagent CA
Short Description:	usage: Blocking Reagent for Hybridization assays and Western blots
Specifications:	<ul style="list-style-type: none"> : • Biotin-free! suited for streptavidin-biotin systems : • based on Casein from bovine (Origin: New Zealand) : • used for blocking buffers and dilution of antibodies
WGK:	1
Storage:	RT
CS:	38220000
Comment	<p>The <i>Blocking Reagent CA</i> is used in hybridization and detection procedures using non-radioactive nucleic probes, and for Western blots. When immunoassays and hybridization assays, such as dot blots, Western blots, Southern blots or Northern blots are performed, there is nonspecific binding resulting in high background. In order to reduce the nonspecific binding, the <i>Blocking Reagent CA</i> is used to "block" unbound sites left after immobilization of the specific protein or after the hybridization with non- radioactive probe. It improves sensitivity and reduces background. Nonfat dry milk inhibits the streptavidin-biotin interaction due to its content of biotin. Since <i>Blocking Reagent CA</i> doesn't contain biotin, it may be used in systems making use of the streptavidin-biotin interaction.</p> <p>Application\:Proteins\: For blotting applications such as Western blots and dot blots, add 0.2 % (w/v) <i>Blocking Reagent CA</i> into TBST (0.1 % Tween 20 in TBS (see below)) or PBST (0.1 % Tween in PBS), heat to 75 - 80°C in a water bath or microwave oven, and stir well until dissolved. <i>Blocking Reagent CA</i> dissolves to give a milky solution. This reagent is used for blocking and for dilutions of antibodies. Do not use in PBST for alkaline phosphatase conjugate dilutions!</p> <p>Nucleic acids\: For hybridization applications add 0.2 % (w/v) <i>Blocking Reagent CA</i> to Tris buffered saline (50 mM Tris · HCl; pH 7.5; 150 mM NaCl), heat to 60 - 65°C in a water bath or microwave oven, and stir well until dissolved. <i>Blocking Reagent CA</i> dissolves to give a clear solution. Use for blocking after the wash steps, and before incubation in any enzyme-conjugate solution (e.g. Streptavidin-HRP or Streptavidin-AP).</p> <p>Origin: The product is based upon casein, which is bovine origin. The product is manufactured in New Zealand, and only from animals born and raised in New Zealand. Therefore there is no possibility of BSE contamination.</p>

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