



# Borate Buffered Saline/Casein Block and Diluent – 10X Concentrate

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## **Product Description:**

Borate Buffered Saline (BBS)/Casein Block and Diluent - 10X Concentrate consists of many phosphoserine groups that function to bind  $Ca^{2+}$ . The solution is ready for dilution to specific application requirements. BioFX blocking and diluent reagents contribute to the minimization of non-specific interactions of the secondary reagents with each other and with the primary solid phase binding sites. The high blocking efficiency of casein is due to its content of small molecular weight proteins. Borate buffered saline (BBS), pH 8.0, should not be used in the presence of polyols, including carbohydrates and their derivatives with which they may chelate. BBS has a high bactericidal effect. The use of BBS in gel electrophoresis can result in spreading of the bands.

## **Hazard Identification:**

BBS/Casein Block and Diluent - 10X Concentrate does not contain hazardous materials. Please refer to the MSDS for additional information.

## **Product Stability, Storage and Specifications:**

BBS/Casein Block and Diluent - 10X Concentrate is stable for a minimum of 2 years at the recommended storage temperature of 2°C - 8°C. The product should be clear and colorless in appearance. To minimize the risk of contamination, a fresh working solution should be prepared each day or store unused working solutions at the recommended storage temperature. If proper technique is not performed the possibility of introducing contaminants is always possible.

## **Product Use:**

BBS/Casein Block and Diluent - 10X Concentrate should be diluted with reagent quality water. To produce a 1X working solution, dilute 1 mL of Borate Buffered Saline (BBS)/Casein Block and Diluent - 10X Concentrate in 9 mL of reagent quality water. Allow working solution to equilibrate to room temperature (25°C) prior to use. To use as a blocking reagent, treat target surface by covering completely with 1X solution. To use as a diluent, dilute antigen/antibody to desired concentration and treat surface by covering completely with 1X solution. When using 1X solution for coating plates, best results are obtained following an overnight incubation at 2°C - 8°C.

These products are for research and manufacturing use only and are not intended for use in humans, therapeutic or diagnostic purposes. Sales are without any seller's warranty or representation, expressed or implied, by usage or otherwise; no claims beyond replacement of unacceptable material or refund of purchase price shall be allowed. All claims must be made within 30 days following date of delivery.