



Borate Buffered Saline/Glycerol/ Fish Gelatin Block and Diluent – 10X Concentrate

Product Description:

Borate Buffered Saline (BBS)/Glycerol/Fish Gelatin Block and Diluent – 10X Concentrate is a 5% Type A fish gelatin solution. Glycerol in the solution acts as a humectant and emollient. Fish gelatin is produced from the skin of deepwater fish. This extra-cellular glycoprotein varies somewhat in structure from species to species and is a well-known antifreeze protein consisting of a polypeptide backbone of a recurring tripeptide unit.

Antifreeze proteins depress the freezing point of water because they inhibit the formation of ice crystals. A combination of antifreeze proteins and high concentrations of sodium chloride further depress the freezing point. Because the gel point is lower than other animal gelatin, fish gelatin is more suitable for frozen or refrigerated products. For coating, the high molecular weight produces a tougher film than standard gelatin.

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/Glycerol/Fish Gelatin Block and Diluent – 10X Concentrate does not contain hazardous materials. Please refer to the MSDS for additional information.

Product Stability, Storage and Specifications:

BBS/Glycerol/Fish Gelatin Block and Diluent - 10X Concentrate is stable for a minimum of 2 years at recommended storage conditions of 2°C - 8°C. It is clear to pale yellow in appearance. To minimize risk of contamination, make fresh working solution each day or store unused working solution at 2°C - 8°C.

Product Use:

BBS/Glycerol/Fish Gelatin Block and Diluent - 10X Concentrate should be diluted with reagent quality water. For a 1:10 application, dilute 1 mL of BBS/Glycerol/Fish Gelatin 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.