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## CERTIFICATE OF ANALYSIS

Product **Carbo-Free™ Blocking Solution (10x Concentrate)**

Catalog No. SP-5040

Amount 125 ml

Lot No. ZE0118

Storage 2-8 °C

### Product Information:

Carbo-Free™ Blocking Solution is a protein-based agent intended for use as a general blocking and diluent solution for ELISA, histochemical and blotting applications. Unlike serum, non-fat dry milk, casein, and other common protein-containing blocking agents, this product is essentially **free of glycoproteins**, making it ideal for applications in which glycoprotein contamination could generate false positive results. Such applications include carbohydrate binding assays involving lectins or <sup>Elite</sup> agglutinins. Biotinylated lectins/agglutinins can be easily developed using VECTASTAIN® ABC or VECTASTAIN® ABC-AP detection systems. A suggested protocol for detection of glycoconjugates using lectins/agglutinins is available on our website at: [www.vectorlabs.com](http://www.vectorlabs.com)

### Instructions for use:

Prior to use, 10x Carbo-Free™ Blocking Solution should be diluted to 1x with distilled or deionized water. For prolonged storage of the 1x solution, sodium azide should be added to give a final concentration of 0.08% (w/v) and the diluted solution refrigerated. Carbo-Free™ Blocking Solution does not contain detergent. In some applications, blocking may be enhanced by addition of Tween™ 20 to a final concentration of 0.05% to 0.1%, in the working solution.