

Product number:PBSC -0100-01 (100 mL)
PBSC-1000-01 (1000 mL)**Intended use:**

BioFX® Phosphate Buffered Saline/Casein and Diluent-5X Concentrate minimizes non-specific interactions of the secondary reagents with each other and the primary solid phase binding sites. The high blocking efficiency of casein is due to its content of small molecular weight proteins. The solution is ready for dilution to specific application requirements.

Product stability, storage and specifications:

Product stability	2 years from the date of manufacture.
Storage	2-8°C
Specification	This 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.

Recommendations for use:

- 1) Dilute 1 mL of PBS/Casein Block and Diluent-5X Concentrate in 4 mL reagent quality water to produce a 1X working solution.
- 2) Allow the 1X working solution to equilibrate to room temperature (25°C) prior to use.
- 3) To use as a blocking reagent, completely cover the target surface with the 1X working solution. To use as a diluent, dilute the antigen/antibody to a desired concentration in the 1X working solution and completely cover the target surface as needed.
 - An overnight incubation step at 2-8°C following the coating process will yield the best results.

Additional considerations:

Phosphate Buffered Saline (PBS), pH 7.4, is a poor buffer above pH 7.5. Phosphate buffer should not be used in to assays where competition for phosphate groups or complex formation with a metal ion is essential for the enzyme activation. Phosphate ions will inhibit carboxypeptidase, carboxylase, urease, muscle diaminease, formase and phosphoglucomutase.

Related products:BioFX® TMB Enhanced HRP Membrane Substrate (ESPM)
BioFX® TMB Enhanced HRP Membrane Substrate (TMBW)
StabilZyme® HRP Conjugate Stabilizer (SZ02)

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