



Genemed Synthesis, Inc.  
6203 Wood Lake Center Dr., Bldg. 2, San Antonio, TX 78244, USA  
Toll free (800) 344-5337; Phone: (210) 745-5988; Fax (210) 745-5992  
Email: [info@genemedsyn.com](mailto:info@genemedsyn.com), Website: [www.genemedsyn.com](http://www.genemedsyn.com)

Product data sheet

**Wash Buffer Concentrate (10X)**

**Cat. No.** EW-80080      **Size:** 50 ml; 100 ml; 4 x 50 ml      **Form:** 20X Solution      **Storage:** Store at 4<sup>0</sup>C

**Introduction**

Antigen or antibody coating on ELISA plates is the first step in ELISA. This is followed by washing off the unbound antigens. This step is also necessary after the incubation of plates with primary antibody and enzyme conjugates. This wash buffer can be used to remove unbound or non-specific binding of antigen/antibody/conjugates in ELISA. It is also suitable for use in removing non-specific binding in Western blotting procedures.

**Form**

The Wash buffer concentrate is provided as 10 X solution preserved in 0.02% merthiolate as preservative. Therefore, care should be taken when disposing this solution. Some salts may crystallize upon storage in cold but redissolves after dilution.

**Recommended Use**

Dilute Coating Buffer concentrate 1:10 with distilled water before use. For most ELISA applications, plates should be washed 3-5 times with 300 ul wash buffer/per well. Briefly shake the plate, discard solution, and tap over paper towels to remove traces of liquid. Repeat this step 3-5 times. Alternatively, ELISA Washers can be programmed to wash the plates with 300 ul buffer, with or without soak time (time between washings).

For Western blotting, filters/membranes should be completely immersed in wash buffer (50 ml buffer/filter is sufficient) and shaken on a an orbital shaker for 3-5 min. Discard buffer and remove traces of buffer by draining the container. This should be repeated 3-5 times. If back ground persist, volume of buffer and soak time may be increased up to 15 min.

*This product is for in vitro research use only.*

components above 1% or any carcinogens above 0.1% as defined in 29 CFR 1910.1200, the OSHA Hazard Communication Standard. The product contains natural purified proteins in a buffer containing 0.1% or less sodium azide. MSDS can be consulted for these items. Please note that although the product is defined as not hazardous, it is still advisable to follow prudent laboratory practices when handling laboratory reagents.

This material is sold for research purposes only and is not required to appear on the TSCA inventory. It is not intended for food, diagnostic, drug, household, agricultural or cosmetic use. Its use must be supervised by a technically qualified individual experienced in handling potentially hazardous chemicals.

**Related items available from GSI**

Catalog#	ProdDescription
EW-80012	High binding ELISA Strips plates (8 wellsx12 strips)
EW-80050	ELISA Plate Coating buffer concentrate (10X)
EW-80060	ELISA Plate Blocking Buffer concentrate (10X) BEW-based
EW-80062	ELISA Plate Blocking Buffer concentrate (10X) milk-based
EW-80070	Antibody and Conjugate Diluent for ELISA concentrate (10X)
EW-80080	Wash buffer concentrate (20X) for ELISA
EW-80081	Phosphate Buffered Saline (PBS, pH 7.4) concentrate (20X)
EW-80091	TMB substrate (1-component) for ELISA
EW-80100	Stop solution for TMB substrate (ELISA) concentrate (10X)
EW-80110	Single solution TMB substrate (membrane) solution for western blot
EK-80160	Rabbit Serum Antibody detection ELISA kit, Qualitative (mouse, goat, sheep, monkey, human, chicken kits are also available)

EW-80080

Rev. EW-80609F

**MSDS:** A Material Safety Data Sheet is not required for this product. The product does not contain any hazardous