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# Media Prep: 500mL of 1x PBST

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PBST is commonly used as a wash solution for Western blot membranes and microtiter plate wells in ELISA assays. The Phosphate Buffered Saline with Tween® 20 is an optimal formulation of pH stabilizers, salts and detergents designed to effectively remove excess material from membranes and microtiter plate wells without disrupting the antigen/antibody binding reaction. By maintaining the proper buffering environment, unbound components can be washed away without suppressing antigen-antibody binding interactions, thereby reducing nonspecific background and increasing the specific signal.

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#### Reagents

- 1 x 50mL of 10x PBST
- 1 x 450mL of DI H2O

#### Supplies

- 1 x Autoclave tape
- 1 x Sterile media bottle (~1L or greater)



#### Equipment

- Serological pipette & 50mL serological pipette tip

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- 1 Perform a 1:10 dilution of 10x PBST using a sterile media bottle of 1L volume or greater (if necessary).
  - 1.1 Combine  **450 mL** DI H2O and  **50 mL** 10x PBST into sterile media bottle.
- 2 Place cap directly on top of sterile media bottle (DO NOT tighten cap).
- 3 Autoclave sterile media with 1x PBST: Liquid cycle: media (30 mins)

- 4 Retrieve autoclaved 1x PBST & fully cap sterile media bottle for storage.