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# Media Prep: 500mL of 1x PBS

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Phosphate-buffered saline (PBS) is an isotonic solution that is used in many biological research applications. PBS (phosphate buffered saline) is a balanced salt solution used for a variety of cell culture applications, such as washing cells before dissociation, transporting cells or tissue, diluting cells for counting, and preparing reagents. PBS is formulated without calcium and magnesium for rinsing chelators from the culture before cell dissociation.

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**Storage conditions:** 15°C to 30°C

**Shipping conditions:** Room temperature

**Shelf life:** 24 months from date of manufacture

**Reagents**

- 1 x 50mL of 10x PBS
- 1 x 450mL of DI H<sub>2</sub>O

**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 PBS using a sterile media bottle of 1L volume or greater (if necessary).

- 1.1 Combine  **450 mL** DI H<sub>2</sub>O and  **50 mL** 10x PBS into sterile media bottle.

- 2 Place cap directly on top of sterile media bottle (DO NOT tighten cap).

- 3 Autoclave sterile media with 1x PBS: Liquid cycle: media (  **00:30:00** ).

30m

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