

Phosphate Buffer

2.632M Concentrate

Store at Room Temperature
For *in vitro* Professional Use Only

REF Z332

INTRODUCTION

Care is required in the selection and/or preparation of saline solutions intended for use in blood group serology. Use of saline preparations of low pH can reduce the sensitivity of serological reactions by decreasing the rate of antibody/antigen interaction and also by modifying and causing dissociation of antibody during IAGT wash procedures. Consequently, the use of Phosphate Buffered Saline pH 7.0 ± 0.2 is recommended where normal ionic strength saline is required for blood group serology.

REAGENT DESCRIPTION

This reagent comprises a 25ml volume of Phosphate Buffer Stock solution (2.632M), which, when added to 10 litres of a 9g/L solution of sodium chloride, will produce a 0.0067M solution of Phosphate Buffered Saline (PBS) pH 7.0 ± 0.2. This reagent is filtered through a 0.22 µm membrane prior to filling under aseptic conditions.

STORAGE CONDITIONS

The reagent should be stored at 19°C - 25°C. **Crystallization may occur at lower temperatures.** Should this occur, incubation at 37°C will re-dissolve crystals. Do not use if turbid. The reagent is stable until the expiry date stated on the product label.

PREPARATION OF PHOSPHATE BUFFERED SALINE (PBS)

Prepare 10 litres of 9g/L sodium chloride solution in a clean container. Add entire contents (25ml) of Phosphate Buffer Stock Solution to 10 litres of 9g/L sodium chloride solution and mix thoroughly.

PRECAUTIONS FOR USE

Phosphate buffered saline may become readily contaminated and should be given a maximum shelf life of 3 days from the date of preparation.

This reagent is for *in vitro* professional use only.

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For further information or advice please contact your local distributor.



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