

Datasheet for MB-011**10X PBS pH 7.2 with Azide****Overview**

Description:	10X PBS pH 7.2 with Azide (0.2 M Potassium Phosphate 1.5 M Sodium Chloride 0.1% (w/v) Sodium Azide) - MB-011
Item No.:	MB-011
Size:	1 L

Product Details

Background:	Phosphate Buffered Saline (PBS) is a regularly used buffer in biological research. The phosphate ions help maintain a constant pH around neutral. The osmolarity of solution typically matches that of the human body (isotonic solution). PBS can act as a diluent for many experimental preparations and is non-toxic to cells. This preparation contains 0.1% sodium azide as a preservative and is 10X concentrated to be diluted 10-fold to the working concentration.
Synonyms:	Phosphate Buffered Saline

Target Details

Purity/Specificity:	10X PBS pH 7.2 with Azide (0.2 M Potassium Phosphate 1.5 M Sodium Chloride 0.1% (w/v) Sodium Azide) was aseptically filtered through a Millipore 0.22 micron filter into clean, pre-sterilized containers. 10X PBS pH 7.2 with Azide was tested on trypticase soy agar for 24 hours, 48 hours and 72 hours and was found to be negative for bacteria.
Relevant Links:	MB-011 SDS

Application Details

Application Note:	Phosphate Buffered Saline 10X pH 7.2 with Azide (0.2 M Potassium Phosphate 1.5 M Sodium Chloride 0.1% (w/v) Sodium Azide) is a concentrated stock solution and should be diluted appropriately with distilled, deionized water or equivalent to its final working concentration. 10X PBS pH 7.2 with Azide is meticulously prepared using ultra pure reagents dissolved in highly polished pharmaceutical grade deionized water.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:10

IHC:	1:10
WB:	1:10

Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	10X
Buffer:	See application note.
Preservative:	0.1% (w/v) Sodium Azide

Shipping & Handling

Shipping Condition:	Ambient
Storage Condition:	Store container at room temperature (18° to 26° C) prior to opening. If desired, 10X PBS pH 7.2 with Azide may be stored at 4° C or less. Some salts may precipitate out of solution at lower temperature. Allow buffer to equilibrate to room temperature (18° to 26° C) to restore solubility of some salts.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



Bottle

10X PBS pH 7.2 with Azide (0.2 M Potassium Phosphate 1.5 M Sodium Chloride 0.1% (w/v) Sodium Azide)

References

- Costa MQ et al. Peripheral shift in the viable chondrocyte population of the medial femoral condyle after anterior cruciate ligament injury in the porcine knee. *PLoS One*. (2021)

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.