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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)
- Dermadi D et al. Exploration of Cell Development Pathways through High-Dimensional Single Cell Analysis in Trajectory Space. *iScience.* (2020)

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