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Gibco™

PBS (10X), pH 7.4

Phosphate-buffered saline (PBS) is a balanced salt solution that is used for a variety of cell culture applications, such

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Catalog Number	Quantity
70011044	500 mL

Catalog number 70011044

Price (MDL)
-

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Phosphate-buffered saline (PBS) is a balanced salt solution that is used for a variety of cell culture applications, such as washing cells before dissociation, transporting cells or tissue samples, diluting cells for counting, and preparing reagents. PBS is formulated without calcium and magnesium for rinsing chelators from the culture before cell dissociation. Concentrated forms of Gibco™ PBS may require pH adjustment at the time of dilution (see [protocol](#) for details).

We offer a variety of [Gibco™ PBS formulations](#) for a range of cell culture applications.

This PBS is manufactured as follows:

Without

- Calcium
- Magnesium
- Phenol Red

The complete [formulation](#) is available.

For Research Use or Further Manufacturing. Not for diagnostic use or direct administration into humans or animals.

Specifications	
Chemical Name or Material	Phosphate Buffered Saline (PBS)
Color	White
Includes	No Sodium Pyruvate
Manufacturing Quality	cGMP-compliant under the ISO 13485 standard
Osmolality	2800 - 3100 mOsm/kg
Recommended Storage	Storage conditions: 15°C to 30°C Shipping conditions: Room temperature Shelf life: 24 months from date of manufacture
Sterility	Sterile-filtered
Concentration	10 X
For Use With (Application)	Mammalian Cell Culture
Physical Form	Liquid
Product Line	Gibco

pH	7.4
Unit Size	Each

Media Formulations

70011 - PBS, 10x, pH 7.4



Have questions about this product? Ask our AI assisted search.






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Frequently asked questions (FAQs)

- Are your PBS products tested for endotoxin levels?
- Are your PBS products sterile and suitable for cell culture?
- Are your PBS products DNase- and RNase-free?
- Is a precipitate in PBS normal?
- What is the difference between PBS and DPBS?

Documents & Downloads

ificates

LOT #	Certificate type	Date	Catalog number(s)
 3266517	Certificate of Analysis	Oct 26, 2025	70011036, 70011044
 3237363	Certificate of Analysis	Sep 20, 2025	70011036, 70011044
 3251134	Certificate of Analysis	Aug 13, 2025	70011036, 70011044
 3176003	Certificate of Analysis	Aug 06, 2025	70011036, 70011044
 3149837	Certificate of Analysis	Aug 03, 2025	70011036, 70011044

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Safety Data Sheets




Scientific Resources

Reference Materials



 [Switch-to-Gibco Products Cross Reference Tool - Find a Gibco product replacement for your current cell culture reagent](#)

 [Cell Culture Select Tool - Search your cell line of interest to find product recommendations and resources](#)

 [Gibco Media Selection Tool - Find the right Gibco media formulation with this interactive tool](#)

 [70011 - PBS,10x, pH 7.4](#)

Brochures



 [Brochure: Cell culture media and reagents](#)


Product Information

Manuals

 [Product Information Sheet: Buffered Saline Solutions](#)

Citations & References (4)

Citations & References

[Subcellular targeting of RGS9-2 is controlled by multiple molecular determinants on its membrane anchor, R7BP.](#) 

Authors: Song JH, Waataja JJ, Martemyanov KA,

Journal: J Biol Chem

PubMed ID: 16574655

[Inhibition of transforming growth factor beta signaling and Smad-dependent activation of transcription by the Latent Membrane Protein 1 of Epstein-Barr virus.](#) 

Authors: Prokova Vassiliki; Mosialos George; Kardassis Dimitris;

Journal: J Biol Chem


PubMed ID: 11781310

[Stiffness-controlled three-dimensional extracellular matrices for high-resolution imaging of cell behavior.](#) 

Authors: Fischer RS, Myers KA, Gardel ML, Waterman CM,

Journal: Nat Protoc

PubMed ID: 23099487

[Optogenetic interrogation of neural circuits: technology using mammalian brain structures.](#) 

Abstract

'RGS9-2, a member of the R7 RGS protein family of neuronal RGS (Regulators of G protein Signaling), is a critical regulator of G protein signaling. In striatal neurons, RGS9-2 is tightly associated with a novel palmitoylated protein - R7BP (R7 family Binding Protein). Here we report that R7BP acts to ... [More](#)

'Inhibition of transforming growth factor beta (TGFbeta) signaling by the Epstein-Barr virus Latent Membrane Protein 1 (LMP1) may account, at least in part, for the oncogenic activity of LMP1. We found that LMP1 is a potent inhibitor of TGFbeta signaling and Smad-dependent activation of transcription in 293 epithelial cells and ... [More](#)

Regulation of cell functions by the physical properties of the extracellular matrix (ECM) has emerged as a crucial contributor to development and disease. Two specific physical properties of the ECM, stiffness and dimensionality, each influence cell signaling and function. As these ECM physical properties are linked to other properties that ... [More](#)

Elucidation of the neural substrates underlying complex animal behaviors depends on precise activity control tools, as well as compatible readout methods. Recent developments in

