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SOLUTION- 02 - Phosphate Buffered Saline (PBS) V.2

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1 Works for me dx.doi.org/10.17504/protocols.io.biahkab6

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ABSTRACT

This recepe is used in the following protocols:

- Separation and purification of human PBMC from FRESH BLOOD
- Separation and purification of human PBMC from BUFFY COAT
- Magnetic bead-based CD4+ T cell isolation from PBMCs with Dynabeads: CD4 Positive Isolation Kit
- Magnetic bead-based TREG-TEFF cell isolation from PBMC with Miltenyi CD4+CD25+ Regulatory T cell Isolation Kit
- Staining of human PBMC or ISOLATED SUBSETS with Cell Proliferation Dye-eFluor™ 670 (CPD-eFluor670) for cell proliferation evaluation by Flow Cytometry

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Phosphate-buffered saline (PSB 1X)

NaCl - 8 g (137 mM)
KCl - 0.2 g (2.7 mM)
Na2HPO4 - 1.44 g (10 mM)
KH2PO4 - 0.24 g (1.8 mM)

To prepare 1 L of PBS 1X, dissolve the reagents listed above in 800 mL of ultrapure H2O.

Adjust the pH to 7.4 with HCl or NaOH, and then add H2O to 1 L.

NaCl code: S9625, Sigma
KCl code: P9541, Sigma
Na2HPO4 code: 1.06585, Sigma
KH2PO4 code: P0662, Sigma

Fonte: (Cold Spring Harbor Laboratory Press 2006)

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