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SOLUTION- 02 - Phosphate Buffered Saline (PBS)

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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

Phosphate-buffered saline (PSB 1X)

NaCl- 8 g (137 mM)
KCl- 1.5 g (2 mM)
Na_2HPO_4- 1.44 g (10 mM)
KH_2PO_4- 0.24 g (1.8 mM)

To prepare 1 L of PBS 1X, dissolve the reagents listed above in 800 mL of ultrapure H_2O.
Adjust the pH to 7.4 with HCl or NaOH, and then add H_2O to 1 L.

NaClcode: S9625, Sigma
KClcode: P9541, Sigma
Na_2HPO_4code: 1.06585, Sigma
KH_2PO_4code: P0662, Sigma