

Permeabilization Wash Buffer (10X)

Catalog # / Size: 421002 / 100 ml

Storage: This permeabilization wash buffer solution should be stored between 2°C and 8°C. **Do not freeze.**

Applications:

Applications: ICC, ICFC - *Quality tested*
IHC - *Reported in the literature*

Recommended Usage: For use in permeabilization, dilute Permeabilization Wash Buffer (10X) to 1X in DI water. Resuspend fixed cells in diluted Permeabilization Wash Buffer and centrifuge at 350 xg for 5-10 minutes, and repeat the same process for twice. It is recommended that the reagent be titrated for optimal performance for each application. Please see "Intracellular Cytokine Staining Protocol" under "Support" on BioLegend's website.

Application Notes: The Permeabilization Wash Buffer (10X) may have crystallization or precipitation observed when it is stored at 2-8°C; however, this is normal and does not affect the buffer's performance. If there is a heavy precipitation observed after dilution to 1X working solution, it can be filtered to clarify the solution.

Application References:

1. Smeltz RB. 2007. *J. Immunol.* 178:4786.
2. Kang YJ, *et al.* 2007. *Nature Immunol.* 8:601.
3. del Rio ML, *et al.* 2011. *Transplantation.* 92:1085. PubMed
4. del Rio ML, *et al.* 2012. *J. Immunol.* 188:4885. PubMed
5. Marongiu L, *et al.* 2013. *PLoS One.* 8:75684. PubMed
6. Xiao Z, *et al.* 2013. *Mol Immunol.* 56:423. PubMed
7. Kusner LL, *et al.* 2014. *PLoS One.* 9:102231. PubMed
8. Ni PP, *et al.* 2014. *J Immunol.* 193:1778. PubMed

Description: Permeabilization Wash Buffer is useful for intracellular staining procedures, e.g., in preparation of cells for staining intracellular cytokines or other proteins. Permeabilization Wash Buffer is used to permeabilize cells following fixation with Fixation Buffer (Cat. No. 420801). It is supplied as a 10X solution and should be diluted in deionized water prior to use. Permeabilization Wash Buffer has been formulated to have minimal effects on cells, reduce non-specific staining and enhance the signal to noise ratio. It can be used for antibody dilutions and cell washing during intracellular staining.

Other Names: Perm/Wash, Permeabilization Buffer

Antigen References:

1. Current Protocols in Immunology (John Wiley & Sons New York) Unit 6.24 *Detection of Intracellular Cytokines by Flow Cytometry* (Barbara Foster and Calman Prussin NIAID NIH Bethesda MD).
2. Sander B, *et al.* 1991. *Immunol. Rev.* 119:65.
3. Sander B, *et al.* 1993. *J. Immunol. Meth.* 166:201.
4. Prussin C, *et al.* 1995. *J. Immunol. Meth.* 188:117.

Related Products:	Product	Clone	Application
	Cell Staining Buffer		FC, ICC, ICFC
	Fixation Buffer		ICC, ICFC



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