

Fixation Buffer

Catalog # / Size: 2704005 / 100 ml

Isotype:

Concentration: NULL

Applications:

Applications: Immunohistochemistry

Recommended Usage: For cell fixation, use 0.5 ml fixation buffer per tube and leave it in the dark for 20 minutes at room temperature. It is recommended that the reagent be titrated for optimal performance for each application.

Caution: This buffer contains paraformaldehyde, which is toxic and mutagenic. Please handle with caution and wear gloves, lab coat and necessary protection to avoid direct body contacts.

Application Notes: This 1X PBS solution contains 4% paraformaldehyde, which is toxic and is a suspected carcinogen. Contact with eyes, skin and mucous membranes should be avoided.

Application References:

1. Kang YJ, *et al.* 2007. *Nature Immunol.* 8:601.
2. Kenna TJ, *et al.* 2010. *J. Immunol.* 184:598. [PubMed](#)
3. Sullivan BP, *et al.* 2010. *Am J Pathol.* 177:2837. [PubMed](#)
4. del Rio ML, *et al.* 2011. *Transplantation.* 92:1085. [PubMed](#)
5. del Rio ML, *et al.* 2012. *J. Immunol.* 188:4885. [PubMed](#)
6. Marongiu L, *et al.* 2013. *PLoS One.* 8:75684. [PubMed](#)
7. Haberthur K, *et al.* 2013. *J Virol.* 87:11751. [PubMed](#)
8. Busskamp V, *et al.* 2014. *Mol Syst Biol.* 10:760. [PubMed](#)

Description: Fixation Buffer is useful for intracellular staining procedures, *e.g.*, in preparation of cells for staining intracellular cytokines or other proteins. Fixation Buffer is used to fix cells prior to permeabilization using Permeabilization Wash Buffer. Fixation Buffer has been formulated with prescreened paraformaldehyde with low background, thus producing the greatest signal to noise ratio.

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. *Immuno*