

## eBioscience™ Intracellular Fixation & Permeabilization Buffer (plus Brefeldin A)

Catalog Number: 88-8823

For Research Use Only. Not for use in diagnostic procedures.

### Product Information

**Contents:** eBioscience™ Intracellular Fixation & Permeabilization Buffer (plus Brefeldin A)  
**Catalog Number:** 88-8823  
**Handling Conditions:** Use within 6 months of opening or by date indicated on the bottle



**Temperature Limitation:** Store at 2-8°C.  
**Batch Code:** Refer to vial  
**Use By:** Refer to vial  
**Contains sodium azide and formaldehyde**

### Description

The eBioscience Fixation and Permeabilization Kit is designed for use in preparation of living cells for intracellular staining and flow cytometric analysis. A protein transport inhibitor (Brefeldin A) is included for treatment of cells during culture – to cause accumulation of cytokine protein at the Golgi and enhance resulting staining. A fixation buffer is used to cross link, stabilize, and fix the cell membrane, while the permeabilization buffer is used to reversibly permeabilize the cell membrane so the staining antibodies can enter the cell effectively.

### Components

**Brefeldin A solution (cat. 00-4506):** 1 mL. Brefeldin A Solution is supplied at 1000X working concentration. Prior to addition to the cell cultures, a 1:1000 dilution in the culture media should be made.

**IC Fixation Buffer (cat. 00-8222) :** 125 mL. IC Fixation Buffer contains 4% formaldehyde, which is toxic and a suspected carcinogen. Contact with eyes, skin and mucous membranes should be avoided.

**Permeabilization Buffer (10X) (cat. 00-8333) :** 100 mL. Permeabilization Buffer is supplied as a 10X concentrate. Prior to use, this should be diluted 10-fold in distilled water. *Note: The 10X Permeabilization Buffer has a natural tendency to precipitate, however, its function is not affected by this. To clarify, the solution can be filtered after dilution to a 1X working solution.* 1X Permeabilization Buffer contains 0.1% saponin and 0.09% sodium azide.

### Applications Tested

This buffer set has been tested by intracellular staining and flow cytometric analysis of normal human peripheral blood cells or mouse splenocytes. Please refer to Best Protocols: Protocol A: Two step protocol for (cytoplasmic) intracellular proteins located under the Resources Tab online for more information.

### References

Sander, B. et al. 1991. Immunol. Rev. 119:65.

Litton, M. et al. 1997. Am. J. Pathol. 150:1607.

Andersson, J. et al. 1994. Immunology 82:16.

Sander, B. et al. 1991. Immunol. Rev. 119:65.

### Related Products

00-4975 eBioscience™ Cell Stimulation Cocktail (plus protein transport inhibitors) (500X)

00-4980 eBioscience™ Protein Transport Inhibitor Cocktail (500X)

00-8222 eBioscience™ IC Fixation Buffer

00-8333 eBioscience™ Permeabilization Buffer (10X)

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