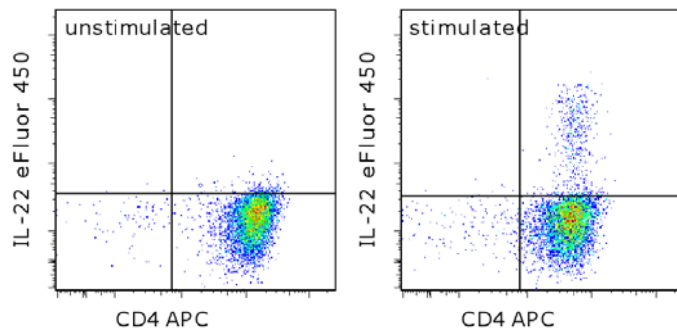


## eBioscience™ Intracellular Fixation & Permeabilization Buffer Set

Catalog Number: 88-8824

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



CD4-enriched normal human peripheral blood cells were polarized under Th17 conditions for 10 days then treated with Protein Transport Inhibitor Cocktail (cat. 00-4980) (left) or Cell Stimulation Cocktail (plus protein transport inhibitors) (cat. 00-4975) (right) for 5 hours. Cells were fixed and permeabilized with the Intracellular Fixation & Permeabilization Buffer Set (cat. 00-8824) and then intracellularly stained with Anti-Human CD4 APC (cat. 17-0049) and Anti-Human IL-22 eFluor® 450. Total viable cells, as determined by Fixable Viability Dye eFluor® 780, were used for analysis.

### Product Information

**Contents:** eBioscience™ Intracellular Fixation & Permeabilization Buffer Set  
**Catalog Number:** 88-8824  
**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 Intracellular Fixation & Permeabilization Buffer Set is designed for use in intracellular staining and flow cytometric analysis and has been specially formulated to reduce non-specific staining of fluorochrome-labelled antibodies and increase fluorescence signal to noise ratios. In the first step live cells can be “fixed” with the Fixation Buffer, which cross- links proteins. The second step, using the Permeabilization Buffer, creates holes in the membrane thereby allowing the intracellular staining antibodies to enter the cell effectively. Subsequent washing steps, antibody additions, and incubations after cell permeabilization should be performed using the Permeabilization Buffer. The final washing step and cell resuspension prior to running the sample is done using Flow Cytometry Staining Buffer (cat. 00-4222). This kit is commonly used for staining both cytoplasmic proteins as well as proteins in the secretory pathway such as chemokines and cytokines. It is not recommended for intranuclear staining. Instead, please refer to the Foxp3/Transcription Factor Buffer Set (cat. 00-5523) for nuclear staining.

Before the fixation step, it is recommended to label the live cells using one of the Fixable Viability Dyes (eFluor® 450, 506, 660, 780, 520, or 455UV) and then proceed with fixation.

### Components

**IC Fixation Buffer** (cat. 00-8222): 125 mL, store at 2-8°C. Avoid agitation.

**Permeabilization Buffer (10X)** (cat. 00-8333): 100 mL, store at 2-8°C. 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.*

### Applications Reported

Intracellular Fixation & Permeabilization Buffer Set has been reported for use in flow cytometric analysis. Please refer to Best Protocols: Protocol A: Two step protocol for (cytoplasmic) intracellular proteins located under the Resources Tab online.

### Related Products

00-4222 eBioscience™ Flow Cytometry Staining Buffer  
 00-8222 eBioscience™ IC Fixation Buffer  
 00-8333 eBioscience™ Permeabilization Buffer (10X)

Not for further distribution without written consent.

Copyright © 2016 Thermo Fisher Scientific Inc. All rights reserved. All trademarks are property of Thermo Fisher Scientific and its subsidiaries unless otherwise specified.

Tel: 888.999.1371 or 858.642.2058 • Fax: 858.642.2046 • [thermofisher.com/ebioscience](http://thermofisher.com/ebioscience) • [info@ebioscience.com](mailto:info@ebioscience.com)

---

**eBioscience™ Intracellular Fixation & Permeabilization Buffer Set**

**Catalog Number: 88-8824**

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

---

65-0863 eBioscience™ Fixable Viability Dye eFluor™ 450  
65-0864 eBioscience™ Fixable Viability Dye eFluor™ 660  
65-0865 eBioscience™ Fixable Viability Dye eFluor™ 780  
65-0866 eBioscience™ Fixable Viability Dye eFluor™ 506  
65-0867 eBioscience™ Fixable Viability Dye eFluor™ 520  
65-0868 eBioscience™ Fixable Viability Dye eFluor™ 455UV

---

Not for further distribution without written consent.

Copyright © 2016 Thermo Fisher Scientific Inc. All rights reserved. All trademarks are property of Thermo Fisher Scientific and its subsidiaries unless otherwise specified.

Tel: 888.999.1371 or 858.642.2058 • Fax: 858.642.2046 • [thermofisher.com/ebioscience](http://thermofisher.com/ebioscience) •

[info@ebioscience.com](mailto:info@ebioscience.com)