Technical Data Sheet

Perm/Wash Buffer I

Product Information

Material Number:	**557885**
Size:	125 mL
Storage Buffer:	Aqueous buffered solution containing saponin, fetal bovine serum and ≤ 0.09% sodium azide.

Description

BD Phosflow™ Perm/Wash Buffer I is intended to be used for the intracellular staining of post-translationally modified signaling proteins. BD Phosflow™ Perm/Wash Buffer I is used to permeabilize cells and to serve as an antibody diluent and cell wash buffer. It is optimized for use with the BD Phosflow™ brand of intracellular phosphorylated signaling protein-specific antibodies. BD Phosflow™ Perm/Wash Buffer I is provided as a 10X concentrated solution containing FBS and saponin. The presence of a small amount of precipitate may be observable and will not affect the performance of the buffer. Because saponin-mediated cell permeabilization is a reversible process, it is important to keep the cells in the presence of saponin during intracellular staining.

Preparation and Storage

Store undiluted at 4°C.

Do not freeze.

Application Notes

Application

Intracellular staining (flow cytometry)	Routinely Tested

Recommended Assay Procedure:

Flow cytometry: Dilute BD Phosflow™ Perm/Wash Buffer I 1:10 in distilled water prior to use. If desired, the diluted 1X BD™ Phosflow Perm/Wash Buffer I can be passed through a 0.45 µm filter to remove any residual precipitate. The BD Phosflow™ Perm/Wash Buffer I can be used to permeabilize or wash cells and to dilute antibodies for immunofluorescent staining of intracellular proteins.

Suggested Companion Products

Catalog Number	Name	Size	Clone
557870	Fix Buffer I	250 mL	(none)
558049	Lyse/Fix Buffer 5X	250 mL	(none)
554655	Fixation Buffer	100 mL	(none)

Product Notices

1. Please refer to www.bdbiosciences.com/pharmingen/protocols for technical protocols.
2. Source of all serum proteins is from USDA inspected abattoirs located in the United States.
3. Caution: Sodium azide yields highly toxic hydrazoic acid under acidic conditions. Dilute azide compounds in running water before discarding to avoid accumulation of potentially explosive deposits in plumbing.

References

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Jung T, Schauer U, Heusser C, Neumann C, Rieger C. Detection of intracellular cytokines by flow cytometry. *J Immunol Methods.* 1993; 159(1-2):197-207. (Biology)

Krutzik PO, Nolan GP. Intracellular phospho-protein staining techniques for flow cytometry: monitoring single cell signaling events. *Cytometry A.* 2003; 55(2):61-70. (Biology)

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Sander B, Andersson J, Andersson U. Assessment of cytokines by immunofluorescence and the paraformaldehyde-saponin procedure. *Immunol Rev.* 1991; 119:65-93. (Biology)

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