

ReadiUse™ RBC Lysis/Fixation Solution

Catalog Number: 37012 37013,

Unit Size: 50 mL 100 mL,

Product Details

Storage Conditions	N/A
Expiration Date	12 months upon receiving

Chemical Properties

Appearance	undefined
Molecular Weight	N/A
Soluble In	N/A

Spectral Properties

Excitation Wavelength	N/A
Emission Wavelength	N/A

Applications

The ReadiUse™ RBC Lysis/Fixation Solution is specifically formulated for efficient red blood cell lysis and concurrent leukocyte fixation in whole blood, making it ideal for intracellular flow cytometry applications. Following cell stimulation, such as with kinase activators like phorbol esters, the solution provides a one-step process that lyses RBCs and fixes leukocytes, effectively inhibiting kinases, phosphatases, and proteases. This preserves the phosphorylation state as it exists in vivo, enabling precise analysis of intracellular signaling events. The ReadiUse™ RBC Lysis/Fixation Solution is optimized to maintain the light-scattering properties of cells, ensuring that cell integrity is preserved during flow cytometric analysis. It is validated for use with both human and mouse whole blood, providing RBC lysis that is as effective as density gradient centrifugation in isolating peripheral blood mononuclear cells (PBMCs) and performing lymphocyte subset analyses. Moreover, the reagent is compatible with phospho-specific antibody staining in conjunction with surface markers (e.g., CD markers). The ReadiUse™ solution is suitable for both lyse/wash and lyse/no-wash immunofluorescent staining protocols, offering flexibility depending on the experimental requirements.