CytoWatch™ Multiplexing Buffer for Flow Cytometry *20X*

Catalog number: 37010, 37011
Unit size: 100 Tests, 1000 Tests

Component	Storage	Amount (Cat No. 37010)	Amount (Cat No. 37011)
CytoWatch™ Multiplexing Buffer for Flow Cytometry *20X*	Freeze (< -15 °C), Minimize light exposure	100 Tests	1000 Tests

OVERVIEW

Fluorescent antibody conjugates tend to aggregate when in close contact, distorting the analytical results of multicolor staining cells due to FRET and other energy transfer phenomena between different conjugates. Fluorescent dye interactions may cause staining artifacts, complicating the data interpretation. CytoWatch™ Multiplexing Buffer is a buffer optimized for the multicolor flow cytometric analysis of cells. CytoWatch™ Multiplexing Buffer is a concentrated solution that is directly added to the staining solutions of certain fluorescent antibody conjugates or other fluorescent reagents before staining cells. It might be used to enhance or improve multicolor flow cytometry experiments that utilize two or more different staining reagents (e.g., antibodies conjugated with BV dyes or Qdots).

SAMPLE EXPERIMENTAL PROTOCOL

Cell Surface Staining Protocol for Flow Cytometry Analysis:

1. Add 5 µL of CytoWatch™ Multiplexing Buffer to 100 µL of PBMC. Mix well by pipetting up and down several times.
2. Add appropriate amounts of conjugated antibodies.
3. Mix well by pipetting up and down and stain at room temperature or 2~8°C for 20 minutes.
4. Wash twice with a flow cytometric cell staining buffer of your choice.
5. Resuspend cells in an appropriate volume of flow cytometric cell staining buffer.
6. Perform flow cytometric analysis.

DISCLAIMER

AAT Bioquest provides high-quality reagents and materials for research use only. For proper handling of potentially hazardous chemicals, please consult the Safety Data Sheet (SDS) provided for the product. Chemical analysis and/or reverse engineering of any kit or its components is strictly prohibited without written permission from AAT Bioquest. Please call 408-733-1055 or email info@aatbio.com if you have any questions.