

Annexin V Binding Buffer (1x)

A1506501

Storage 2-8°C.

Introduction

Annexin V Binding Buffer is an isotonic buffer used in conjunction with Annexin V dyes and either 7-AAD or Propidium Iodide. This buffer contains an optimal concentration of calcium that facilitates the binding of Annexin V to phosphatidylserine on the cell surface, which is essential for the detection of early-stage cell apoptosis by flow cytometry.

Instructions for Use

This product is a ready-to-use reagent and is recommended to be used in conjunction with Annexin V binding buffer and the Annexin V reagent.

1. Cells were induced to undergo apoptosis according to the experimental protocol, centrifuged at $400 \times g$ for 5 minutes, and the supernatant was discarded. The cells were collected, washed once with PBS, gently resuspended, and counted.
2. A total of $1-10 \times 10^5$ resuspended cells were taken, centrifuged at $400 \times g$ for 5 minutes, and the supernatant was discarded. The cells were washed once with PBS, centrifuged again, and the supernatant was discarded. Then, 200 μ L of diluted 1 $\times$ Annexin V Binding Buffer was added to resuspend the cells.
3. An appropriate amount of Annexin V reagent was added to the cell suspension.
4. The mixture was gently vortexed and incubated at room temperature in the dark for 10 minutes.
5. Detection was performed immediately after the reaction. If testing cannot be conducted promptly, the samples should be kept on ice in the dark and analyzed within 1 hour.

Precautions

1. This product is for research use only.
2. For your safety and health, please wear a lab coat and disposable gloves during operations.