

## 1X Annexin V Binding Buffer

<b>CATALOG #:</b>	1035-100
<b>AMOUNT:</b>	100 ml
<b>STORAGE:</b>	Store at 4°C
<b>SHELF LIFE:</b>	1 year under proper storage conditions

### DESCRIPTION:

Buffer for use with the BioVision's multi-color bulk annexin V reagents including annexin V-FITC (Cat# 1001-1000), annexin V-EGFP (Cat.# 1004-1000), annexin V-Cy3 (Cat.# 1002-1000), annexin V-Cy5 (1013-1000), annexin V-Biotin (Cat.# 1003-100), annexin V-PE (1014-1000) and unlabeled annexin V (1005-100). During apoptosis, phosphatidylserine (PS) is translocated from the cytoplasmic face of the plasma membrane to the cell surface. Annexin V has a strong,  $Ca^{2+}$ -dependent affinity for PS and therefore serves as a probe for detecting apoptosis. BioVision's 1X Annexin V Binding Buffer is ready to use for annexin V binding assay to detect PS exposure during apoptosis.

For a complete annexin V binding assay protocol, please refer to Annexin V Apoptosis Detection Kits: Annexin V-FITC Apoptosis Detection Kit (Cat.#: K101-25, -100, -400), Annexin V-EGFP Apoptosis Detection Kit (K104-25, -100, -400), Annexin V-Cy3 Apoptosis Detection Kit (K102-25, -100, -400), Annexin V-Cy5 Apoptosis Detection Kit (K103-25, -100, -400), Annexin V-PE Apoptosis Detection Kit (K128-25, -100, -400), Annexin V-Biotin Apoptosis Detection Kit (K109-25, -100, -400).

### REFERENCES:

1. Koopman, G., *et al.* (1994) *Blood* **84**:1415-1420.
2. Martin, S. J., *et al.* (1995) *J. Exp. Med.* **182**:1545-1556.

**FOR RESEARCH USE ONLY! Not to be used in humans.**

### RELATED PRODUCTS:

#### Apoptosis Detection Kits & Reagents

- Annexin V Kits & Bulk Reagents
- Caspase Assay Kits & Reagents
- Mitochondrial Apoptosis Kits & Reagents
- Nuclear Apoptosis Kits & Reagents
- Apoptosis Inducers and Set
- Apoptosis siRNA Vectors

#### Cell Fractionation System

- Mitochondria/Cytosol Fractionation Kit
- Nuclear/Cytosol Fractionation Kit
- Membrane Protein Extraction Kit
- Cytosol/Particulate Rapid Separation Kit
- Mammalian Cell Extraction Kit
- FractionPREP Fractionation System

#### Cell Proliferation & Senescence

- Quick Cell Proliferation Assay Kit
- Senescence Detection Kit
- High Throughput Apoptosis/Cell Viability Assay Kits
- LDH-Cytotoxicity Assay Kit
- Bioluminescence Cytotoxicity Assay Kit
- Live/Dead Cell Staining Kit

#### Cell Damage & Repair

- HDAC Fluorometric & Colorimetric Assays & Drug Discovery Kits
- HAT Colorimetric Assay Kit & Reagents
- DNA Damage Quantification Kit
- Glutathione & Nitric Oxide Fluorometric & Colorimetric Assay Kits

#### Signal Transduction

- cAMP & cGMP Assay Kits
- Akt & JNK Activity Assay Kits
- Beta-Secretase Activity Assay Kit

#### Adipocyte & Lipid Transfer

- Recombinant Adiponectin, Survivin, & Leptin
- CETP Activity Assay & Drug Discovery Kits
- PLTP Activity Assay & Drug Discovery Kits
- Total Cholesterol Quantification Kit

#### Molecular Biology & Reporter Assays

- siRNA Vectors
- Cloning Insert Quick Screening Kit
- Mitochondrial & Genomic DNA Isolation Kits
- 5 Minutes DNA Ligation Kit
- 20 Minutes Gel Staining/Destaining Kit
- $\beta$ -Galactosidase Staining Kit & Luciferase Reporter Assay Kit

#### Growth Factors and Cytokines

#### Monoclonal and Polyclonal Antibodies