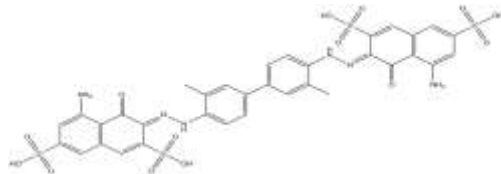


## Trypan Blue Solution

**CATALOG #:** 1209-10  
**AMOUNT:** 10 ml (0.4% in PBS)

**LOT #:** \_\_\_\_\_

**STRUCUTURE:**



**CAS NUMBER:** 72-57-1

### DESCRIPTION:

Trypan blue is a water-soluble dye used for the dye exclusion test for cell viability to distinguish between viable and nonviable cells by seeping into nonviable cells with damaged plasma membranes causing them to appear blue. Do not leave on cells for long periods of time; viable cells may also begin to take up the dye.

### FORM:

Liquid. Supplied as a 0.4% (w/v) solution in normal saline. Filter sterilized and packed under sterile conditions.

### STORAGE CONDITIONS:

Store at room temperature, stable for at least 1 year as supplied.

### COUNTING CELLS USE TRYPAN BLUE SOLUTION:

1. Add 10 µl of the Trypan Blue Solution into 100 µl cell suspension, gently mix.
2. Load 100 µl of the stained cells onto a hemocytometer, and immediately count the cells under a microscope with a 10X objective. Count the live cells (light shiny without Trypan Blue uptakes), or dead cells (stained by the Trypan Blue) inside of the 16 corner squares.
  - a. Percent of Viable Cells = (Viable Cells #)/(Viable Cells # + Dead Cell #) x100.
  - b. Number of Viable Cells = # of Viable Cells x 10<sup>4</sup> x 1.1 = Viable cells/ml culture.

**FOR RESEARCH USE ONLY! Not to be used on 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

#### Growth Factors and Cytokines

Monoclonal and Polyclonal Antibodies