Trypan Blue Solution, 0.4%

Contains 4.0 g/L Trypan Blue in PBS

Cat. No. CTBLU001 | **Size: 100 ML**

1. Product Description

Trypan Blue is an anionic dye that is not absorbed by healthy, living cells and thus does not stain them, whereas it passes through the cell membrane of dead cells and stains them blue. Cell counting, especially measuring the number of viable cells, is essential for almost all cell culture procedures and is crucial for subsequent experiments. The Trypan Blue staining method is widely used because it allows quick and simple measurement of viable cell numbers in culture media.

2. Composition

Components	g/L
Trypan Blue	4.0
Sodium Chloride	8.1
Potassium Phosphate, Dibasic	0.6

3. Product Quality Specifications

Appearance	pH	Osmolality*	Sterility
Dark blue clear liquid	pH 7.0 ~ 7.6	315 ± 5% mOsm/kg H_2O	Sterile

4. Storage Conditions and Precautions

Store at room temperature (15~30°C) protected from direct light. Product degradation during storage may appear as precipitates, floating particles, or color change; discard if any are observed. The addition of extra substances may also cause degradation. Long-term storage at low temperatures may cause precipitates; in this case, warming it up (37°C) may dissolve the precipitates, but if they still do not disappear, do not use.

5. Usage Instructions and Precautions

This product is a sterile solution. Open the cap only in a sterile environment (e.g., a clean bench) using aseptic technique. It is recommended to use the entire contents after opening; otherwise, aliquot into a suitable sterile container and store properly.