

Trypan blue 0.4% Solution

In Dulbecco's Phosphate Buffered Saline
Sterile filtered

Product Code: TCL046

Product Description :

Trypan blue is an azo dye, derived from toluidine. It is also known as diamine blue and Niagara blue. It is widely used as a vital stain to distinguish the viable cells from the non-viable cells. It selectively stains the dead tissues or cells blue in colour. Live cells or tissues, with intact cell membrane, are not coloured and are very selective in the compounds that pass through the membrane as a result of which trypan blue is not absorbed by viable cells. However, it can pass through the cell membrane in a dead cell and so dead cells appear blue in colour under a microscope. Live cells are excluded from staining so this staining method is also described as a dye exclusion method.

Trypan blue is most commonly used in microscopy for cell counting. It is typically used at 0.4% concentration for cell culture applications.

TCL046 is sterile filtered 0.4% Trypan blue solution in Dulbecco's phosphate buffered saline.

Sterility

No bacterial or fungal growth is observed after 14 days of incubation, as per USP specification.

Cultural Response

Dye exclusion test for cell viability

Storage and Shelf Life:

Store at 15-30°C.

Shelf life of the product is 24 months.

Use before expiry date given on the product label.

Quality Control:

Appearance

Dark blue liquid.

pH

7.20 -7.80

Osmolality in mOsm/Kg H₂O

290.00 -330.00

Disclaimer :

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