

Version 1 Last updated 24 April 2018

ab233465 Trypan Blue Staining Solution

For the measurement of cell viability.

This product is for research use only and is not intended for diagnostic use.

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1. Overview

Trypan Blue Staining Solution (ab223465) is a vital stain that colors dead tissues or cells blue. Since cells are very selective, in a viable cell, the trypan blue will not pass through the membrane; however, it traverses the membrane in a dead cell. Hence, dead cells are shown as a distinctive blue color under a microscope. The method cannot distinguish between necrotic and apoptotic cells.

Trypan blue is commonly used in microscopy (for cell counting) and in laboratory mice for assessment of tissue viability.

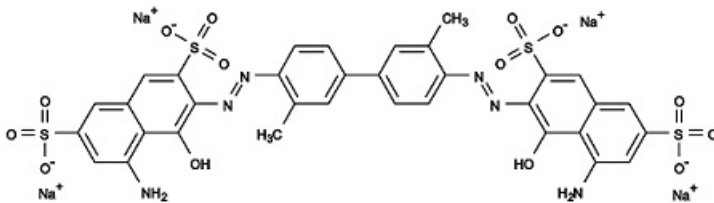


Figure 1. Chemical structure of Trypan Blue.

Add Trypan Blue Staining Solution to cells or tissue



Observe cells or tissue under a microscope

2. Materials Supplied and Storage

Store kit at 4°C in the dark immediately on receipt and check below for storage for individual components. Kit can be stored for 1 year from receipt, if components have not been reconstituted.

Item	Quantity	Storage temperature (before prep)
Trypan Blue, sodium salt	10 mL	4°C

3. Materials Required, Not Supplied

These materials are not included in the kit, but will be required to successfully perform this assay:

- Light microscope

4. General guidelines, precautions, and troubleshooting

Please observe safe laboratory practice and consult the safety datasheet.

For general guidelines, precautions, limitations on the use of our assay kits and general assay troubleshooting tips, particularly for first time users, please consult our guide:

www.abcam.com/assaykitguidelines

5. Reagent Preparation

Briefly, centrifuge small vials at low speed prior to opening.

5.1 Trypan Blue, sodium salt

Ready to use as supplied.

6. Assay Procedure

1. Incubate cells or tissue with Trypan Blue Staining Solution.
2. Observe cells or tissue under a light microscope.

7. FAQs / Troubleshooting

General troubleshooting points are found at www.abcam.com/assaykitguidelines.

8. Notes

Technical Support

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