

## DATA SHEET

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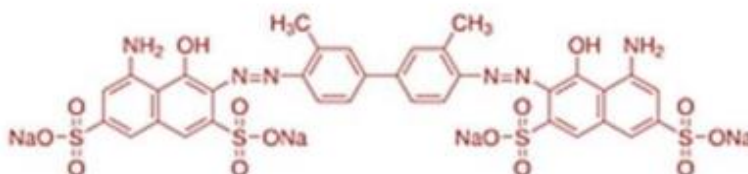
### 1. Identification

Product name	<b>Trypan Blue Solution</b>
	100 mL
Cat. No	<b>CC007</b>

### 2. Description

Trypan Blue Solution, 0.4%, is routinely used as a cell stain to assess cell viability using the dye exclusion test. The dye exclusion test is used to determine the number of viable cells present in a cell suspension. It is based upon the concept that viable cells do not take up impermeable dyes (like Trypan Blue), but dead cells are permeable and take up the dye.

In this test, a cell suspension is simply mixed with dye and then visually examined to determine whether cells take up or exclude dye.



### 3. Shipping and Storage specifications

Upon receipt, store at 15 – 30°C.

### 4. Counting cells use trypan blue solution

1. Add 100 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.

### 5. Further information

<b>Product Use</b>	This product is developed, designed, and sold exclusively only for research purposes use. The product was not tested for use in diagnostics or for drug development, nor is it suitable for administration to humans or animals.
<b>Limitations</b>	
<b>Safety Information</b>	When working with chemicals, always wear a suitable lab coat, disposable gloves, and protective goggles. For more information, please consult the appropriate material safety data sheets (MSDS). These are available online in convenient and compact PDF format at <a href="http://www.canvaxbio.com">www.canvaxbio.com</a> where you can find, view, and print the MSDS for each CANVAX kit.

