

**Trypan Red Plus™ \*0.1 M aqueous solution\***

Catalog number: 2456, 2457

Unit size: 10 mL, 100 mL

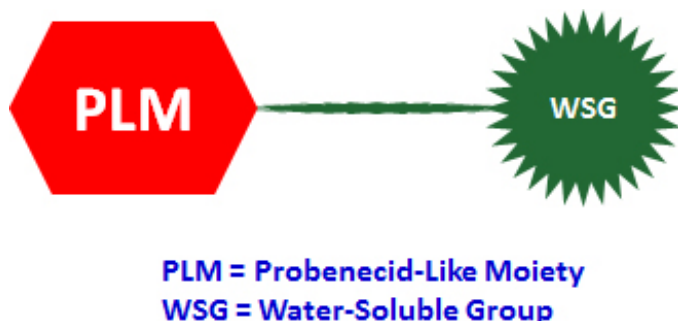
Component	Storage	Amount	
		Cat No. 2456	Cat No. 2457
Trypan Red Plus™ *0.1 M aqueous solution*	Refrigerate (2-8 °C), Minimize light exposure	10 mL	100 mL

**OVERVIEW**

Trypan Red Plus™ is similar to Trypan Blue in cell permeability. It is not permeable to live cells. Compared to Trypan Blue, Trypan Red Plus™ is less toxic to cells, in particular, having minimal effect on cell surface receptors such as G-protein coupled receptors (GPCRs). Another advantage is that the cells can be clearly observed under microscope when Trypan Red Plus is used while Trypan Blue makes it quite difficult to see cells under microscope. Our Trypan Red Plus™ can also be used to prevent fluorescent dyes (such as FDA, rhodamine 123, JC-1, TMRE, TMRM, Indo-1 AM, Fura-2 AM, calcein AM, Fluo-3 AM, Fluo-4 AM, Quest Fluo-8™ AM and Rhod-4™ AM) from leaking out of cells. It might inhibit the activities of drug-efflux pumps since it contains a probenecid-like moiety as shown below. Compared to probenecid, it is neutral, highly soluble in water, and convenient to use. Its cellular mechanism is still under investigation. Our Trypan Red Plus™ is highly purified, and can be used up to 1 mM with minimal cell cytotoxicity. Our recommended concentration is 0.75 mM.

**AT A GLANCE**
**Important**

Expiration date is 6 months from the date of receipt.

**EXAMPLE DATA ANALYSIS AND FIGURES**

**Figure 1.**

The structure of Trypan Red Plus™ (WSG = Water-Soluble Group; PLM = Probenecid-Like Moiety).

**DISCLAIMER**

AAT Bioquest provides high-quality reagents and materials for research use only. For proper handling of potentially hazardous chemicals, please consult the Safety Data Sheet (SDS) provided for the product. Chemical analysis and/or reverse engineering of any kit or its components is strictly prohibited without written permission from AAT Bioquest. Please call 408-733-1055 or email info@aatbio.com if you have any questions.