

5 mg/mL MTT solution

Cat. No: PB180519

Size: 1mL*5

General Information

Product Form	Liquid
Concentration	5 mg/mL
pH	7.2-7.4
Dissolvent	10mM PBS
Storage	2-8°C ,Shading Light
Shipping	Ice bag or dry ice
Expiration date	18 months

Background

MTT(3-(4,5-dimethyl-2-thiazolyl)-2,5-diphenyl-2-H-tetrazolium bromide) is widely used for determination of cell proliferation and cytotoxicity. The MTT can be reduced by succinate dehydrogenase in mitochondria of living cells to form crystalline dark purple product formazan. Formazan was deposited in cells, but dead cells do not. The formazan can be solubilized in dimethyl sulfoxide (DMSO). The absorbance (OD value) was measured at the wavelength of 490nm or 570nm. The number or activity of living cells could be determined by the OD value. Within a certain range of cell numbers, the amount of MTT crystal formation was proportional to the number or activity of living cells.

Notes

1. This product is for research use only.;
2. This product is sterilized by 0.1µm filtration.;
3. It is necessary to pay attention to the aseptic operation and avoid the contamination.;
4. The MTT solution decomposes easily in the light. Please avoid ligh