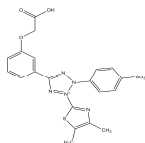


PRODUCT: MTS Reagent**ALTERNATE NAME:** 3-(4,5-Dimethylthiazol-2-yl)-5-(3-carboxymethoxyphenyl)-2-(4-sulfophenyl)-2H-tetrazolium, inner salt; Owen's reagent**CATALOG #:** 2808-250, 1000**AMOUNT:** 250 mg, 1 g**STRUCTURE:****MOLECULAR FORMULA:** C₂₀H₁₇N₅O₆S₂**MOLECULAR WEIGHT:** 487.51**CAS NUMBER:** 138169-43-4**APPEARANCE:** Yellow solid**SOLUBILITY:** DMSO, DPBS (2 mg/ml)**PURITY:** ≥95% by HPLC**STORAGE:** Store at -20 °C. Protect from light and moisture**DESCRIPTION:** MTS reagent is a tetrazolium inner salt useful for determining the number of viable cells in proliferation or chemosensitivity assays. MTS is bio-reduced by cells into a colored formazan product that is soluble in tissue culture medium. This conversion is thought to be carried out by NAD(P)H-dependent dehydrogenase enzymes in metabolically active cells. Homogeneous, Colorimetric Cell Viability Assay requires the mixing of MTS Reagent and PMS components prior to the assay followed by 1-4 hours of incubation.**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure**RELATED PRODUCTS:**

MTS Cell Proliferation Colorimetric Assay Kit (Cat. No. K300)

MTS Reagent (Cat. No. 2808)

MTT Reagent (Cat. No. 2809)

BrdU Cell Proliferation Assay Kit (Cat. No. K306)

EZViable™ Calcein AM Cell Viability Assay Kit (Cat. No. K305)

Quick Cell Proliferation Colorimetric Assay Kit (Cat. No. K301)

Quick Cell Proliferation Colorimetric Assay Kit Plus (Cat. No. K302)

VisionBlue™ Quick Cell Viability Fluorometric Assay Kit (Cat. No. K303)

USAGE: **FOR RESEARCH CH USE ONLY! Not to be used in humans**