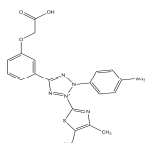


01/15

**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:**  $C_{20}H_{17}N_5O_6S_2$ **MOLECULAR WEIGHT:** 487.51**CAS NUMBER:** N/A**APPEARANCE:** Yellow solid**SOLUBILITY:** DMSO, DPBS (2 mg/ml)**PURITY:**  $\geq 98\%$  by HPLC**STORAGE:** Store at  $-20^\circ\text{C}$ . 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.

**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**)

**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure

**USAGE:****FOR RESEARCH CH USE ONLY! Not to be used in humans**AMSBIO | [www.amsbio.com](http://www.amsbio.com) | [info@amsbio.com](mailto:info@amsbio.com)

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