

CATALOG #

PRODUCT DESCRIPTION, STORAGE, AND USE

4892-010-01

- **Calcein AM** - 2 vials each containing a 50 µg desiccated pellet.
- Store at -20 °C under desiccation.
- Resuspend the dehydrated pellet of one tube (50 µg) in 25 µL of anhydrous DMSO to make a 2 mM Calcein AM Stock Solution. Return the unused portion of the Calcein AM Stock Solution to storage at -20 °C under desiccation. Dilute the Calcein AM Stock Solution in 1X Calcein AM DW Buffer to a 2X Calcein AM Working Solution.
- Calcein AM is a component of the Calcein AM Cell Viability Kit (R&D Systems, Catalog # 4892-010-K).

4892-010-02

- **10X Calcein AM DW Buffer** - One bottle (200 mL) of Calcein AM DW Buffer.
- Store at room temperature.
- To obtain a working stock, dilute 10X Calcein AM DW Buffer before use by adding 5.0 mL of 10X Calcein AM DW Buffer to 45 mL of deionized sterile water. This working stock is enough for one 96-well microplate.
- 10X Calcein AM DW Buffer is a component of Calcein AM Cell Viability Kit (R&D Systems, Catalog # 4892-010-K).

4891-025-01

- **XTT Reagent** - 5 bottles (25 mL/bottle) of a 3X stock solution (0.9 mg/mL) in RPMI medium without phenol red.
- Store at -20 °C.
- XTT may precipitate during storage. Therefore, the solution must be warmed to 37 °C for several minutes until it is no longer opaque. Heating for unnecessary and extended periods of time will result in reduction of XTT activity.
- Immediately before use, add 100 µL of the XTT Activator to 5.0 mL of XTT Reagent to make XTT Working Solution. Prepared XTT Working Solution should be added to cells within several minutes.
- XTT Reagent is a component of the TACS® XTT Cell Proliferation Assay (R&D Systems, Catalog # 4891-025-K).

4891-025-02

- **XTT Activator** - 5 vials (500 µL/vial) of a 50X stock solution in deionized water.
- Store at -20 °C.
- XTT Activator may precipitate during storage. Therefore, the solution must be warmed to 37 °C for 2-5 minutes until the reagent is fully dissolved.
- Immediately before use, add 100 µL of the XTT Activator to 5.0 mL of XTT Reagent to make XTT Working Solution. Prepared XTT Working Solution should be added to cells within several minutes.
- XTT Activator is a component of the TACS XTT Cell Proliferation Assay (R&D Systems, Catalog # 4891-025-K).

4890-25-01

- **MTT Reagent** - 1 bottle (25 mL) of ready-to-use MTT Reagent.
- Store bottle at 2-8 °C.
- MTT Reagent is a component of the TACS® MTT Cell Proliferation Assays (R&D Systems, Catalog # 4890-25-K, 4890-50-K).

4890-25-02

- **Detergent Reagent** - 1 bottle (250 mL) of ready-to-use Detergent Reagent.
- Store at room temperature.
- If the Detergent Reagent has been stored at 2-8 °C, warm the bottle for 5 minutes at 37 °C then invert gently while mixing to avoid frothing.
- Detergent Reagent is a component of the TACS MTT Cell Proliferation Assays (R&D Systems, Catalog # 4890-25-K, 4890-50-K).