

## **Promega CellTiter Aqueous One Solution Cell Proliferation Assay – MTS**

\*\*note: the MTS reagent is extremely light-sensitive, so care should be taken to keep it from direct, prolonged light. Turn off the lights in the hood when working with it. Also, avoid repeated freeze-thaw cycles, it can be stored at 4 °C for up to 6 weeks.

1. Culture cells as appropriate for your experiment. The most simple way is to seed cells directly in flat-bottom, clear, 96-well plates in 100  $\mu$ l media per well, however you may culture cells in larger volumes in plates or flasks and transfer cells to a 96-well plate just prior to beginning the assay. Be sure to include blank wells containing media only.
2. Using a p1000, transfer enough reagent to a tray reservoir.
3. Add 20  $\mu$ l MTS reagent to each well using a multi-well pipettor. Avoid introducing bubbles.
4. Place plate back in incubator for 1-4 hours. The optimal amount of incubation time should be determined empirically for different kinds of cells and conditions.
5. Read the absorbance of the plate on the plate reader, 490 nm.