Non-Radioactive Cell Proliferation Assay

Preparation of Assay Plates
1. Prepare 96-well assay plates containing cells in 100µl culture medium, test compounds and appropriate controls.

Color Development and Recording of Data
1. Add 15µl of Dye Solution to each well.
2. Incubate the plate at 37°C for 1–4 hours in a humidified CO2 incubator.
3. Add 100µl of Solubilization/Stop Solution to each well. The colored formazan product is stable at 4°C, and absorbance can be recorded in 1 hour or up to several days later.
4. Record the absorbance at 570nm using a 96-well plate reader. A reference wavelength between 630–750nm may be used.

Note: To use this system with different volumes, please refer to Section 5 of TB112.

See additional protocol information in Technical Bulletin #TB112, available upon request from Promega or online at www.promega.com