WST-8 Cell Proliferation Assay Kit

Introduction

https://www.dojindo.com/EUROPE/products/CK04/

Materials

- Cell counting Kit-8 #CK04-11
- 96well Plates
- Culture Medium
- Plate Reader

Procedure

Assay Protocol

1. Seed cells in a 96-well plate at a density of $1.5X10^3$ cells/well in 100 µl of culture medium, and incubated for 24, 48, and 72 hours at 37°C with 5% CO_2.
2. After each incubation interval, 10 µl of WST-8 solution was added, and plates were incubated for 2 h at 37°C with 5% CO_2.
3. During the incubation time, WST-8 is reduced extracellularly in a process requiring an intermediate electron carrier in viable cells and is converted into a water-soluble formazan product.
4. The final formazan product was quantified by measuring the OD_{450nm} using SpectraMax® Plus 384 Microplate Reader.
5. The measured OD_{450nm} values were considered to be proportional to the number of viable cells.
6. For statistical analysis, OD_{450nm} measurements were blank-corrected and normalized to control at 72 h.