

MTT Assay

Preparation of MTT

- Final concentration of MTT is 0.5 mg/ml.
- Use 1xPBS to dissolve the MTT powder.
- Filter it before use.

Procedure

1. After incubation of cells in 96-well plate for 24 hours/ 48 hours/ 72 hours, observe the cell number and morphology under the microscope.
2. **For 100ul medium per well, 10ul of 5mg/mL MTT is added into each well. (i.e. Final concentration of MTT = 0.5mg/ml). (Except blank)
3. Put the plate into incubator under 37°C, 5%CO₂ for 4 hours (cell type dependent).
4. Remove all the solution from the well.
5. Add 100ul/150ul DMSO (cell type dependent) into each well, including the blank. (Purple color should be presented)
6. Put the plate on the shaker for 15 minutes in dark.
7. Take the reading of absorbance 570nm by spectrophotometer.
8. Analyze the data to check the % of cell proliferation.

*** MTT is light sensitive, thus turn off the light before adding MTT to the plate.*