

## MTT Assay Kit

**Cat. No:** 024K

**Name:** MTT Kit

### Reagents Included in MTT Kit

	Catalog #	Volume	Storage Temperature
MTT: 15 mg	025-15		4°C
Phenol Red-Free Growth Medium (contains 10% FBS and antibiotics)	411PR-30	30 ml	4°C
Extraction Solution:	075-20	20 ml	4°C

### Drug Treatment:

For the last drug treatment, use Phenol Red-Free Growth Medium for the last medium.

500 µl per well for 24 well plate

100 µl per well for 96 well plate

### MTT Solution Preparation:

1. Add 3 ml of Phenol Red-Free Growth Medium to 15 mg MTT and swirl the bottle until MTT are completely dissolved.
2. Spin the MTT Solution at 300 xg for 5 minutes to precipitate down any debris.
3. Transfer MTT to a new tube and store in the dark at 4°C for use during this day\*.  
\*MTT will degrade in solution, Prepared MTT Solution should not be used after the preparation day.

### Assay Procedure:

1. Add 100µl of MTT Solution to each well of 24 well plate, except the negative controls.  
Add 20µl of MTT Solution to each well of 96 well plate, except the negative controls.
2. Incubate at 37°C for 4 hrs.  
**Start incubation time:** **End incubation time:**
3. Turn on plate reader.
4. Remove all contents from each well.
5. Rinse each well three times with PBS.
6. Blot the plate upside down on a Kimwipe.
7. Pipette 500µl of Extraction Solution into each well of 24 well plate.  
Pipette 100µl of Extraction Solution into each well of 96 well plate.
8. Gently rock the plate to solubilize the converted dye.
9. Measure the absorbance of converted dye at wavelength of 570 nm with background subtraction at 630-690 nm.