

T-Pro Cell Counting Kit (CCK-8)

Store at -20°C

JK95-C008S (5x1ml) 500 tests
JK95-C008M (2x5ml) 1,000 tests
JK95-C008L (20x5ml) 10,000 tests



This product is for laboratory research ONLY and not for diagnostic use.

Product Overview	The T-Pro Cell Counting Kit (CCK-8) is a convenient and robust way of measuring cell viability. The kit uses a water-soluble tetrazolium salt to quantify the number of live cells by producing an orange formazan dye upon bio-reduction in the presence of an electron carrier
Features	<p>Materials Required, Not Supplied</p> <ul style="list-style-type: none">● These materials are not included in the kit, but will be required to successfully perform this assay:● Microplate reader capable of measuring absorbance at OD = 450-460 nm● 96 well plate with clear flat bottom.
Research Applications	The T-Pro Cell Counting Kit (CCK-8) Solution is ready to use as supplied.
Protocol	<p>1. Cell Proliferation and Cytotoxicity Assay</p> <p>Plate 5000 to 100,000 cells per well in a tissue culture microplate with a clear bottom.</p> <p>Add test compounds into cells and incubate for a desired period (e.g. 24, 48 or 96 hours) in a 37°C, 5% CO₂ incubator.</p> <p>For blank wells (medium without cells), add the same amount of test compounds. The suggested volume is 100 µl for a 96 well plate and 50 µl for a 384 well plate.</p> <p>Note: Each cell line should be evaluated on an individual basis to determine the optimal cell density for proliferation or cytotoxicity induction. For proliferation assays, use fewer cells; for cytotoxicity assays, use more cells to start with.</p> <p>Add 10 µl/well (96 well plate) or 5 µl/well (384-well plate) of CCK-8 Solution to each well. Protect from the light and incubate for 2-4 hours at 37°C.</p> <p>Note: The incubation time could be from 30 minutes to overnight depending on the individual cell type and cell concentration used. Optimize the incubation time for each experiment.</p> <p>2. Cell Counting assay</p> <p>Prepare cell culture in a tissue culture microplate with clear bottom. The suggested total volume is 100 µL for a 96-well plate, and 50 µL for a 384-well plate.</p> <p>Add 10 µl/well (96 well plate) or 5 µl/well (384-well plate) of CCK-8 Solution to each well. Protect from the light and incubate for 2-4 hours at 37°C.</p> <p>Note: The incubation time could be from 30 minutes to overnight depending on the individual cell type and cell concentration used. Optimize the incubation time for each experiment.</p> <p>Measure the absorbance increase at 450-460nm.</p>
Storage	Store at -20°C for longer-term storage.

Note:

- The absorbance of the blank wells may vary depending on the sources of the microtiter plates or the growth media.
- Media : Reagent (CCK-8) = 10 : 1

