



Application:

Drug Screening Assays

High Throughput,
High Stabilization



Cell Proliferation Assays

High Water-solubility,
Colorimetric Method

Drug Sensitivity Assays

High Sensitivity,
High Stabilization

Cell Cytotoxicity Assays

Low Cell-toxicity,
Colorimetric Method

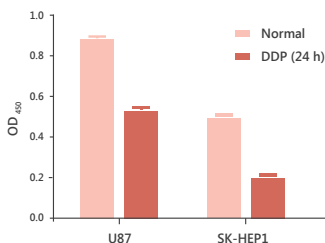
Validation:

Cell line: U87, SK-HEP1

Medium: DMEM, 10% FBS

Chemicals: 200 μ M Cisplatin (DDP)

Incubation: 37°C, 5% CO₂, 2 hours



Top Publications Citing Use of MCE Products:



For research use only.
We do not sell to patients.

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Cell Counting Kit-8

Apply for Free Sample Now!

High Linearity - Excellent Stabilization - Customer Validations

306, Agarwal City Mall, opposite M2K
Pitampura, Delhi-110034 (India)



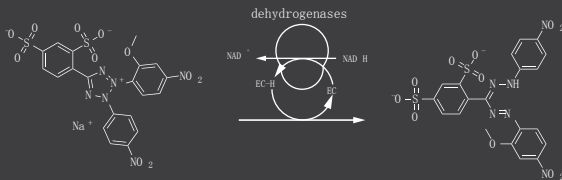
— Components:

Cat. No.	HY-K0301-100T	HY-K0301-500T	HY-K0301-3000T
Size	1 mL	5 mL	5 mL × 6
Price	USD 45	USD 85	USD 295

— General Information:

CCK-8 is a one-bottle solution, ready to use. CCK-8, being nonradioactive, allows sensitive colorimetric assays for the determination of the number of viable cells in cell proliferation and cytotoxicity assays.

WST-8 [2-(2-methoxy-4-nitrophenyl)-3-(4-nitrophenyl)-5-(2,4-disulphophenyl)-2H-tetrazolium, monosodium salt] produces a water-soluble formazan dye upon reduction in the presence of an electron mediator. The amount of the formazan dye generated by dehydrogenases in cells is directly proportional to the number of living cells.



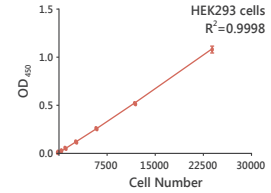
— High Linearity:

$R^2=0.9998$

Cell Line: HEK293

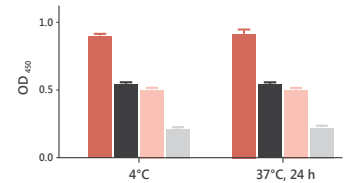
Medium: DMEM, 10% FBS

Incubation: 37°C, 5% CO₂, 2 hours



— Excellent Stabilization:

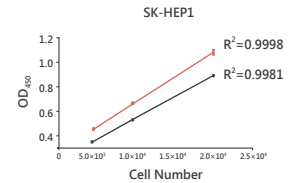
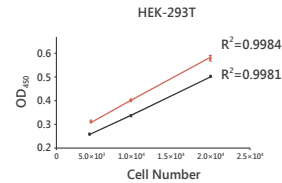
■ U87
■ U87 + Cis-platin (200 μM)
■ SK-Hep1
■ SK-Hep1 + Cis-platin (200 μM)



— Brand Comparison:

→ MCE

→ DoJinDo



Comparison of CCK-8 assay and other assays in Cell Proliferation & Cytotoxicity Testing:

Assays	XTT	WST-1	MTT	CCK-8
Formazan water Solubility	+	+	-	++
Appearance	Two Bottles of Solution	Solution	Powder	One-Bottle Solution
Usage	Mix to Use	Ready to Use	Dissolve to Use	Ready to Use
Sensitivity	++	++	+	++
Detection Time	++	++	+	+++
Wavelength	420-480nm	420-480nm	560-600nm	430-490nm
Stabilization	-	+	+	++
Massive Assays	++	++	+	++
Convenient	++	++	+	+++