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DATASHEET

Cell Counting Kit-8 (CCK-8)

Product overview

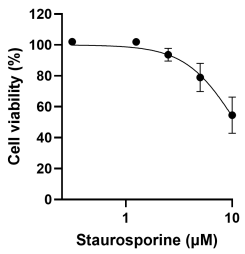
Name Cell Counting Kit-8 (CCK-8)
Cat No HB9337
Biological description Cell Counting Kit-8 (CCK-8) is a ready to use solution for cell viability assays and cell proliferation assays. The kit uses WST-8 tetrazolium salt which is reduced by dehydrogenases in living cells to give a brightly coloured dye. The dye generated is directly proportional to the number of live cells enabling colorimetric quantitation of viable cell number.

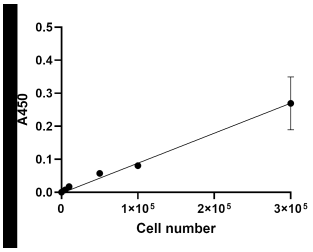
Key features:

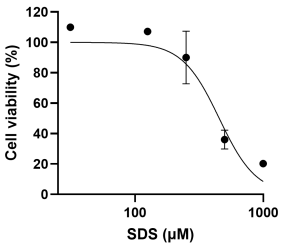
- Ready to use solution
- Results after 1-4 hour incubation
- The Cell Counting Kit-8 assay is more sensitive than other tetrazolium salt-based assays such as XTT, MTS and MTT.
- Low cytotoxicity and high stability make this kit suitable for long incubation time (24-48 hours)

Biological action Reagent
Description Ready to use solution for colorimetric quantitation of viable cell number.

Images







Biological Data

Application notes Please follow this link to a full Cell Counting Kit-8 protocol.

Solubility & Handling

Storage instructions +4 °C
Important This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use

References

Comparison of Cytotoxicity Evaluation of Anticancer Drugs between Real-Time Cell Analysis and CCK-8 Method.

Cai L et al (2019) ACS omega 4
PubMedID 31460316

Cell Viability Assay with 3D Prostate Tumor Spheroids.

Oner E et al (2023) Methods in molecular biology (Clifton, N.J.) 2645
PubMedID 37202626

Comparative Evaluation of Corneal Storage Medias Used as Tooth Avulsion Medias in Maintaining the Viability of Periodontal Ligament Cells Using the Cell Counting Kit-8 Assay.

James N et al (2022) Clinical, cosmetic and investigational dentistry 14
PubMedID 35411190