



XTT Cell Proliferation Assay Kit

0-1011K™

Description

Tetrazolium salts have been widely used as detection reagents for many years in histochemical localization studies and cell biology assays (1,2). The second generation tetrazolium dye, XTT, can be effectively used in cell proliferation, cytotoxicity, and apoptosis assays (2,3,4). XTT is reduced to a soluble, brightly colored orange derivative by a mix of cellular effectors. The sensitivity of an XTT assay is greatly improved by the usage of an intermediate electron carrier, PMS (N-methyl dibenzopyrazine methyl sulfate). PMS helps drive XTT reduction and the formation of its formazan derivative.

- **Shipping information** 1000 assays
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Storage Conditions

- **Product format** Frozen
 - **Storage conditions** -20°C or colder
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Intended Use

This product is intended for laboratory research use only. It is not intended for any animal or human therapeutic use, any human or animal consumption, or any diagnostic use.

BSL 1

ATCC determines the biosafety level of a material based on our risk assessment as guided by the current edition of *Biosafety in Microbiological and Biomedical Laboratories (BMBL)*, U.S. Department of Health and Human Services. It is your responsibility to understand the hazards associated with the material per your organization's policies and procedures as well as any other applicable regulations as enforced by your local or national agencies.

Certificate of Analysis

For batch-specific test results, refer to the applicable certificate of analysis that can be found at www.atcc.org.

Quality Control Specifications

- **Mycoplasma contamination** Not detected
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Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: XTT Cell Proliferation Assay Kit (ATCC 30-1011K)

References

References and other information relating to this material are available at www.atcc.org.

Warranty

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Revision

This information on this document was last updated on 2023-01-21

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