



MTT Assay

MTT Assay measures cell viability and cytotoxicity by detecting metabolic activity. Widely used in research, it provides accurate, reliable results essential for drug development and biological studies

Rs 5000

Per Sample

+91-8977624748

The MTT assay measures cell viability and cytotoxicity by converting yellow tetrazolium salt (MTT) into purple formazan by metabolically active cells. Used in cancer research, drug development, and toxicology, it provides quantitative data on cell health. Benefits include simplicity, cost-effectiveness, and versatility. However, limitations like interference from test compounds and dependence on metabolic activity must be considered. Despite these, the MTT assay remains a vital tool for evaluating cell viability in various research applications.

MTT Assay Services: Accurate Cell Viability and Cytotoxicity Testing

Our MTT Assay services provide precise and reliable measurements of cell viability and cytotoxicity. Using state-of-the-art technology, we assess cell metabolic activity by converting MTT to formazan, ensuring accurate results for your research needs.

Why Choose Our MTT Assay Services?

- **High Sensitivity and Specificity:** Our assays deliver sensitive and specific results, essential for drug development, cancer research, and toxicology studies.
- **Comprehensive Testing:** We offer a complete analysis, including cell proliferation, apoptosis, and cytotoxicity, using MTT and other complementary assays.
- **Expert Support:** Our team of experienced scientists provides expert guidance and support throughout your project.
- **Fast Turnaround:** We ensure rapid processing and reporting to keep your research on track.

Applications of MTT Assay

Drug Screening: Evaluate the efficacy and toxicity of potential therapeutics. Our MTT assays are ideal for high-throughput screening of drug candidates.

Cancer Research: Assess the effects of anti-cancer agents on tumor cells, helping to identify promising treatments. Our assays provide critical data on cell viability and apoptosis.

Toxicology Studies: Determine the cytotoxic effects of environmental toxins, chemicals, and nanoparticles. Our comprehensive testing helps ensure safety and compliance.