



6352 CORTE DEL ABETO, STE B
CARLSBAD, CA 92011 USA
01.858.642.1988 • WWW.ATSBIO.COM

ZAP Sulforhodamine B (SrB) Development Kit

Catalog Number: KIT-SrB-Z
Quantity: 1000 tests
Format:

Background:

The ZAP Sulforhodamine B (SrB) Development kit contains all of the materials needed to introduce a quantitative staining assay to your lab. Preferred by the National Cancer Institute (NCI) for high-throughput drug screening, the ZAP SrB kit quantitatively stains cellular proteins in an accurate and reproducible manner. Refined and honed over years of use in testing ATS' Saporin-conjugate products, the ZAP SrB kit makes development of cytotoxicity assays efficient, time-flexible, and incredibly consistent. Sulforhodamine B is easily detectible with standard optical plate readers capable of readout between 550-580 nm. Each ZAP SrB kit comes with enough reagents for 1000 tests.

The sulforhodamine B (SRB) assay is used for cell density determination, much like MTS, MTT, or XTT.

However, rather than measuring cell metabolism, the SrB assay is based on the measurement of cellular protein content. The ZAP SrB Kit and protocol have been optimized for the toxicity screening of compounds to adherent cells in a 96-well format. After an incubation period, cell monolayers are fixed and stained, after which the excess dye is removed. The protein-bound dye is solubilized for OD determination at 510 nm using a microplate reader. The sensitivity of the SRB assay compares favorably with the sensitivities of several fluorescence assays and is superior to those of both the Lowry and Bradford assays and to those of 20 other visible dyes. The SRB assay provides a colorimetric end point that is nondestructive, indefinitely stable, and visible to the naked eye. It provides a sensitive measure of drug-induced cytotoxicity, is useful in quantitating clonogenicity, and is well suited to high-volume, automated drug screening.

Specificity and Preparation:

Usage and Storage:



6352 CORTE DEL ABETO, STE B
CARLSBAD, CA 92011 USA
01.858.642.1988 • WWW.ATSBIO.COM

ZAP Sulforhodamine B (SrB) Development Kit

To view protocol(s) for this and other products please visit: www.ATSBio.com/support/protocols