

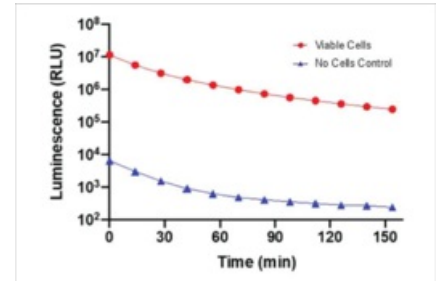


SureLight™ Glow - Firefly Luciferase Cell Viability Assay

Cat No: 34972 - 100 tests

General Data

Shipping: dry ice



Application(s): Cell viability, HTS

Product Overview

The SureLight™ Glow firefly luciferase cell viability assay provides a homogeneous and highly sensitive method for quantifying ATP, an indicator of cell viability, in cell cultures. The assay generates a stable, glow-type luminescent signal directly proportional to the amount of viable cells present in the cell culture. This kit includes: Firefly Luciferase (lyophilized) D-Luciferin (lyophilized) Lysis Buffer (frozen) Material to be supplied by user: Opaque-walled multi-well plate Multichannel pipette Plate shaker Luminometer or imaging device capable of reading multi-well plates

Reagent Preparation: 1. Thaw buffer; equilibrate to room temperature 2. Reconstitute lyophilized enzyme/substrate with buffer 3. Mix by vortexing or gently inverting

Protocol for Assay: 1. Prepare opaque-walled multi-well plates with mammalian cells in culture medium, (e.g., 100 µl per well for 96-well plates) 2. Prepare control wells containing medium without cells 3. Add the test compound to experimental wells and incubate according to the cell culture protocol 4. Equilibrate the plate and its contents at room temperature, approximately 15-30 minutes 5. Add a volume of cell viability reagent equal to the volume of medium containing cells in each well (e.g., 100 ul of reagent to 100 ul of cell culture medium) 6. Mix contents on an orbital shaker to induce cell-lysis 7. Allow the plate to incubate at room temperature for 5-15 minutes to stabilize luminescent signal 8. Read results on luminometer

FP/24/24

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