

IN CYTOTOX



GLU GLUCOSE



APPLICATIONS

Colorimetric assay for the quantification of the cellular metabolism and glucose consumption in response to pharmaceutical, chemical and environmental compounds, and nutrients.

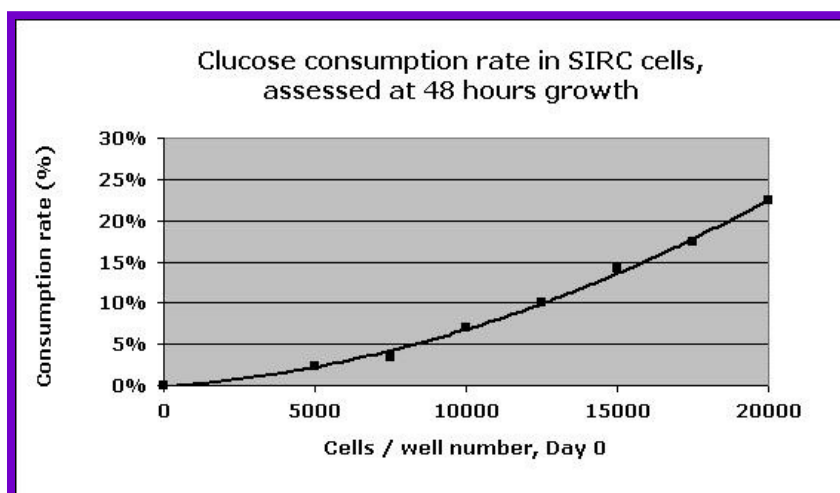
PRINCIPLE

This method measures the overall metabolic activity of cells after drug exposure, using their glucose consumption as a marker. The amount of remaining glucose is measured spectrophotometrically in the cell culture medium (GOD / POD method). The test is suitable for kinetic and endpoint studies. Cells are not exposed to any assay reagents and remain fully viable and available for further testing.

Particularly suitable for cells with high metabolic activity and for extended drug exposure times.

BIOLOGICAL PARAMETERS EVALUATION

- IC_{50} (Inhibitory Concentration 50%)
- Glucose consumption rate



TECHNICAL SPECIFICATIONS

- Absorbance:** - 540 nm
- Approximate assay time:** - 45 min
- Available kit configurations:**
- Reagents only
 - Reagents and 96-well microplates, sterile reagent reservoirs
- GLU Kit content:**
- Substrate solution
 - Enzyme solution
 - Instruction manual
 - Glucose standard solution

GLU KIT SIZES AND REFERENCE NUMBERS

REFERENCE NO.	NUMBER OF TESTS
AKGLU96.400	400
AKGLU96.1200	1200

**Kits with plasticware (microplates and reservoirs) are also available.
Individual reagents and other kit sizes available upon request.**

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