

Datasheet for ABIN1607921

Intracellular ThioIEZ™ Cell Survival Assay Kit[Go to Product page](#)**1** Image

Overview

Quantity:	1 kit
Application:	Cell Viability Assay (CVA)

Product Details

Brand:	ThioIEZ™
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Target Details

Background:	Intracellular ThioIEZ™ Cell Survival Assay Kit is an easy to use assay for measurement of thiols in cells, it measures total intracellular thiols including glutathione and cysteine. Glutathione is a natural antioxidant and a major thiol that limits cellular damage in healthy tissues during oxidative stress. It is also involved in repairing damage induced by cancer drugs and radiation and in the detoxification of several commonly used cancer chemotherapeutic drugs. Cysteine, which is a precursor for glutathione synthesis, is a further thiol present in cells. Cysteine is 10 times less abundant than the glutathione. Intracellular thioIEZ™ is ideal for investigators involved in aging research, oxidative stress, antioxidant screening, chemotherapy response and toxicology. Synonyms: Total intracellular thiol Assay, glutathione and cysteine assay, cell viability, cell survival, cellular viability, cellular survival, antioxidant assay.
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Application Details

Application Notes:	Intracellular ThioIEZ™ Cell Survival Assay Kit contains enough reagents for 100 assays using a 6-well plate.
Restrictions:	For Research Use only

Handling

Storage: 4 °C

Storage Comment: Store Kit at 4-8° C prior to opening. See kit insert for complete instructions.

Expiry Date: See kit insert for complete instructions.

Images

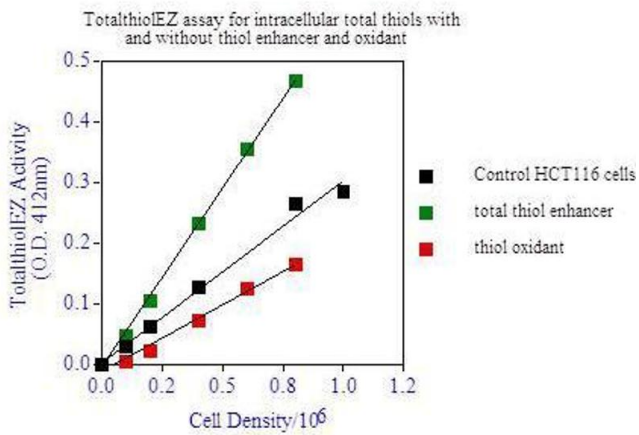


Image 1. Intracellular Cell Survival Assay Kit is an easy to use assay for measurement of thiols in cells; it measures total intracellular thiols including glutathione and cysteine. Total ThioIEZ assay for intracellular total thiols with and without thiol enhancer and oxidant. $y=0.301x+0.004$ $r^2=0.989$; $y=0.597x-0.007$ $r^2=0.999$; $y=0.222x-0.011$ $r^2=0.988$.