

Reactive oxygen species Assay Kit

Reactive oxygen species assay kit (Chemical fluorometric method)

CATALOG #
AAA22078

PRODUCT SYNONYMS

Reactive oxygen species; Reactive oxygen species assay kit (Chemical fluorometric method); Reactive oxygen species assay kit

PRODUCT SPECIFICATIONS

Specificity	96T (Can detect 96 samples without duplication)
Samples	Tissue and cell samples
Preparation and Storage	Reagent1:-20 degree C; Others: 2-8 degree C. Valid for 12 months.

ADDITIONAL INFORMATION

Related Product Information for Reactive oxygen species assay kit

Principle of the Assay: DCFH-DA (2,7-dichlorofluorescein diacetate) is a fluorescent probe without fluorescence that can freely cross the membrane. After entering the cell, it can be hydrolyzed by intracellular esterase to form DCFH (dichlorofluorescein). In the presence of reactive oxygen species (ROS), DCFH is oxidized to DCF (dichlorofluorescein) which is a strong green fluorescent substance that cannot penetrate the cell membrane. DCF has a maximum wave peak near the excitation wavelength of 502 nm and the emission wavelength of 525 nm, and the intensity is proportional to the level of intracellular reactive oxygen species.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/assay-kits/reactive-oxygen-species/22078>