

Cell Proliferation EdU Assay Kit | EdU assay kit

Cell Proliferation EdU Image Kit (Orange Fluorescence)

CATALOG #
AAA31521

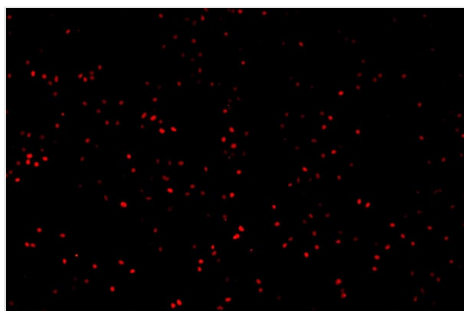
PRODUCT SYNONYMS

Cell Proliferation EdU; Cell Proliferation EdU Image Kit (Orange Fluorescence); EdU assay kit

PRODUCT SPECIFICATIONS

Samples	Adherent cells, suspension cells, Living animals
Application Notes	Cell Proliferation EdU Image Kit (Orange Fluorescence) is a novel alternative to the BrdU assay. EdU (5-ethynyl-2'-deoxyuridine) is a nucleoside analog of thymidine and is incorporated into DNA during active DNA synthesis. Comparing to BrdU assays, the EdU-Click Assays are not antibody based and therefore do not require DNA denaturation (typically using HCl or heat or digestion with DNase) for detection of the incorporated nucleoside. Detection is based on a click reaction, a copper-catalyzed covalent reaction between an azide and an alkyne, is complete within 30 minutes.
Preparation and Storage	Stable for at least 12 months at recommended temperature from date of shipment.

IMAGES



Application Data

Fig. Proliferating Hela cells detected using Cell Proliferation EdU Image Kit (Orange Fluorescence).

ADDITIONAL INFORMATION

Related Product Information for EdU assay kit	Principle of the Assay: The detection of cell proliferation is of utmost importance for assessing cell health, determining genotoxicity or evaluating anticancer drugs. Until now, measuring DNA synthesis directly is most accurate method of doing it, normally performed by incorporation of the nucleoside analog like [3H] thymidine or 5-bromo-2'-deoxyuridine to cells during replication, and then detected or visualized by autoradiography or with an anti-BrdU-antibody respectively. Cell Proliferation EdU Image Kit (Orange Fluorescence) is a novel alternative to the BrdU assay. EdU (5-ethynyl-2'-deoxyuridine) is a nucleoside analog of thymidine and is incorporated into DNA during active DNA synthesis. Comparing to BrdU assays, the EdU-Click Assays are not antibody based and therefore do not require DNA denaturation (typically using HCl or heat or digestion with DNase) for detection of the incorporated nucleoside. Detection is based on a click reaction, a copper-catalyzed covalent reaction between an azide and an alkyne, is complete within 30 min.
Product Categories/Family for EdU assay kit	Cell Status Detection

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://stage.aaabiotech.com/assay-kits/cell-proliferation-edu/31521>