

EdU Cell Proliferation Assay kit (imaging assay)

EdU (5-Ethynyl-2'-deoxyuridine) is a thymidine analog capable of replacing the thymus during cell proliferation. Pyrimidine (T) is incorporated into replicating DNA molecules and rapidly detected by specific reaction based on EdU and Apollo fluorescent dyes. Cell DNA replication activity, which can quickly and accurately detect the proliferation ability of cells. Compared with the BrdU detection method, the EdU detection method is more faster, more responsive and more accurate. EdU is very similar to T, and EdU dyes are only 1/500 of that of BrdU antibodies and are easily diffused, no DNA denaturation (acid hydrolysis, thermal hydrolysis, enzymatic hydrolysis, etc.), which can effectively avoid sample damage, and does not require antigen-antibody reaction. It can more accurately reflect DNA replication activity at the cellular and tissue level.

This kit is suitable for the proliferation detection of cells cultured in vitro. Adherent cells should be detected by fluorescence, which is suitable for fluorescence microscopy, Confocal microscopy, high content screening instrument detection. Suspension cells can be smeared after incubation with EdU, from fixation to adherence after smearing. Cells were detected using the same staining procedure.

Catalog No.	520021
Size	100 Assays
Product Category	Cell Detection
Kit Components	1. PBS [1x; pH 7.2~7.6] 2. Penetrant (PBS with 0.5% Triton X-100) 3. Glycine solution (2mg/mL in deionized water) 4. Cell fixative (4% paraformaldehyde in PBS) 5. 96/24/12/6 Well plates
Storage/Stability	2 ~ 8°C/1 year
Shipping	Gel Packs

