

HIV-1 Integrase Assay Kit

HIV-1 Integrase Assay Kit

CATALOG #
AAA60710

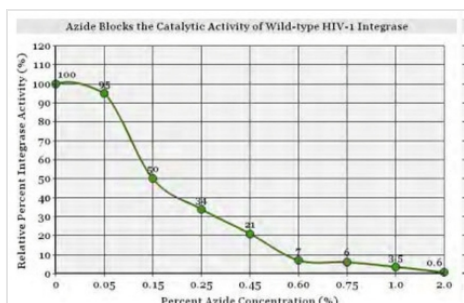
PRODUCT SYNONYMS

HIV-1 Integrase; HIV-1 Integrase Assay Kit; HIV-1 Integrase assay kit

PRODUCT SPECIFICATIONS

Sequence Length	357
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	-70C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for HIV-1 Integrase assay kit

Background: HIV DNA is integrated into host DNA by a viral encoded integrase and this enzyme activity is a likely target site in the HIV life cycle to block viral infection. The HIV-1 Integrase Assay Kit is a non-radioactive assay used to quantitatively measure integrase activity, the effects of interacting proteins, anti-viral compounds, and other test articles on HIV-1 integrase activity. Streptavidin-coated 96-well plates are coated with a double-stranded HIV-1 LTR U5 donor substrate (DS) DNA containing an end-labeled biotin. Full-length recombinant HIV-1 integrase protein is loaded onto the DS DNA substrate. Integrase test articles are added to the enzyme reaction and then a different doublestranded target substrate (TS) DNA containing a 3'-end modification is added to the reaction mixture. The HIV-1 integrase cleaves the terminal two bases from the exposed 3'-end of the HIV-1 LTR DS DNA and then catalyzes a strand-transfer recombination reaction to integrate the DS DNA into the TS DNA. The products of the reaction are detected colorimetrically using an HRP-labeled antibody directed against the TS 3'-end modification. Sodium azide is included in the kit as a positive control compound that inhibits HIV-1 integrase catalytic activity.

Product Categories/Family for HIV-1 Integrase assay kit

[HIV RESEARCH PRODUCTS](#); [HIV-1 Integrase](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	1666329257
NCBI Official Full Name	integrase

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/assay-kits/hiv-1-integrase/60710>