

HIV-1 Reverse Transcriptase Assay Kit

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CATALOG #
AAA13642

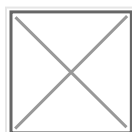
PRODUCT SYNONYMS

HIV-1 Reverse Transcriptase; HIV-1 Reverse Transcriptase Assay Kit; HIV-1 Reverse Transcriptase assay kit

PRODUCT SPECIFICATIONS

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 Reverse Transcriptase assay kit	Background: Human Immunodeficiency Virus 1 (HIV 1) is a retrovirus that contains, as part of its genome, a reverse transcriptase (RT) gene, that when translated into protein, reverse transcribes HIVs RNA genome into a transducing DNA copy (cDNA). This HIV RT activity is critical during early viral infection. HIV 1 infection results in host cell domination, viral replication, and host cell death. HIV RT is an optimistic target for blocking the virus life cycle and the spread of the virus to neighboring cells. In addition, HIV RT in viral conditioned medium directly correlates with virus propagation in cell-mediated in vitro experimental model systems, therefore HIV RT activity can be used as a marker for HIV 1 growth. MBS, Inc. has developed a 2-hour HIV RT assay for drug screening and a 24-hour assay to detect as little as 1 pg of HIV RT isolated from viral conditioned media. An assay incubation time of 5-6 hours allows the experiment to be completed in one day and will detect 2 pg of HIV RT. The RT assay is qualitative, nonradioactive, colorimetric, and can be used to determine if test articles, compounds, or peptides can inhibit HIV RT activity. The assay can also be used to evaluate HIV RT activity in experimental samples.
Product Categories/Family for HIV-1 Reverse Transcriptase assay kit	HIV RESEARCH PRODUCTS ; HIV-1 RT

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/hiv-1-reverse-transcriptase/13642>