

CytoSelect 96-well Cell Invasion, Fluorometric Assay Kit

CytoSelect 96-well Cell Invasion, Fluorometric

CATALOG #
AAA44553

PRODUCT SYNONYMS

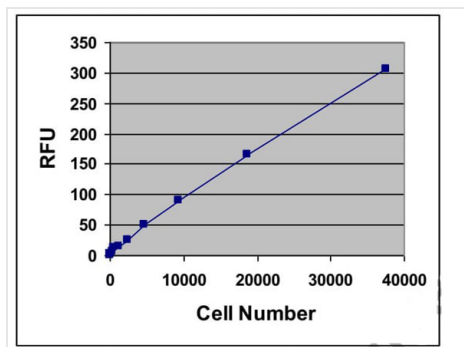
CytoSelect 96-well Cell Invasion; Fluorometric; Fluorometric assay kit

PRODUCT SPECIFICATIONS

Preparation and Storage

Store all components at 4 degree C until their expiration dates

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CytoSelect 96-well Cell Invasion, Fluorometric assay kit

Background: The ability of malignant tumor cells to invade normal surrounding tissue contributes in large part to the significant morbidity and mortality of cancers. Invasiveness requires several distinct cellular functions including adhesion, motility, detachment, and extracellular matrix proteolysis. Metastatic cells produce many proteolytic enzymes (e.g. lysosomal hydrolases, collagenases, plasminogen activators) while the expression of certain cell surface protease receptors is also increased. The CytoSelect™ 96-well Cell Invasion Assay Kit utilizes basement membrane-coated inserts to assay the invasive properties of tumor cells. The kit does not require you to prelabel the cells with Calcein AM or remove non-invaded cells (i.e. cotton swabbing). Any invaded cells are first dissociated from the membrane, then lysed and detected with CyQuant GR Dye. The CytoSelect™ 96-well Cell Invasion Assay Kit provides a robust system for the quantitative determination of cell invasion. The kit contains sufficient reagents for the evaluation of 96 samples.

Principle of the Assay: The CytoSelect™ 96-well Cell Invasion Assay Kit contains polycarbonate membrane inserts (8 um pore size) in a 96-well plate. The upper surface of the insert membrane is coated with a uniform layer of dried basement membrane matrix solution. This basement membrane layer serves as a barrier to discriminate invasive cells from non-invasive cells. Invasive cells are able to degrade the matrix proteins in the layer, and ultimately pass through the pores of the polycarbonate membrane. Finally, the invaded cells are dissociated from the membrane and subsequently detected with CyQuant GR Dye (Invitrogen).

Product Categories/Family for CytoSelect 96-well Cell Invasion, Fluorometric assay kit

[Cell Based Assays](#); [Cell Migration](#); [Invasion and Wound Healing](#); [Boyden Chamber Assays-Cell Invasion Assays](#)

References

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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/cytoselect-96-well-cell-invasion-fluorometric/44553>