

CytoSelect Cell Migration and Invasion Assay (8 μ m) Assay Kit

CytoSelect 24-well Cell Migration and Invasion Assay (8 μ m), Colorimetric, Combo Kit

CATALOG #
AAA44578

PRODUCT SYNONYMS

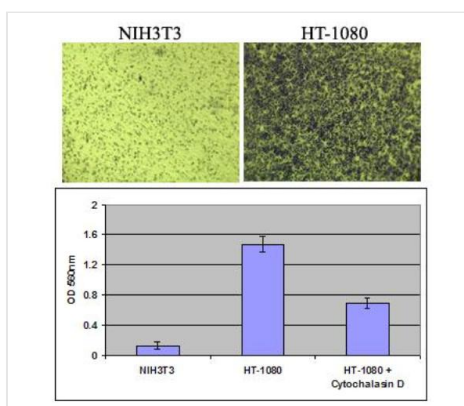
CytoSelect Cell Migration and Invasion Assay (8 μ m); CytoSelect 24-well Cell Migration and Invasion Assay (8 μ m); Colorimetric; Combo Kit; CytoSelect Cell Migration and Invasion Assay (8 μ m) assay kit

PRODUCT SPECIFICATIONS

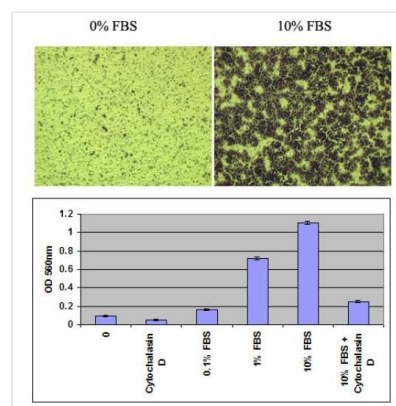
Preparation and Storage

Store all components at 4 degree C until their expiration dates.

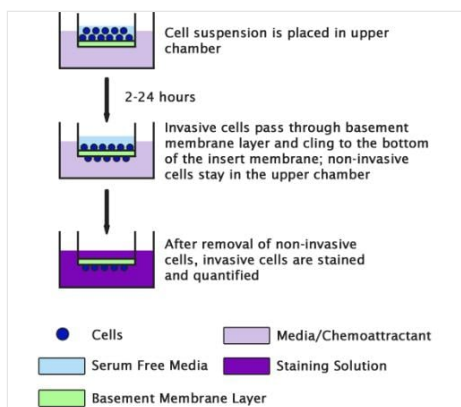
IMAGES



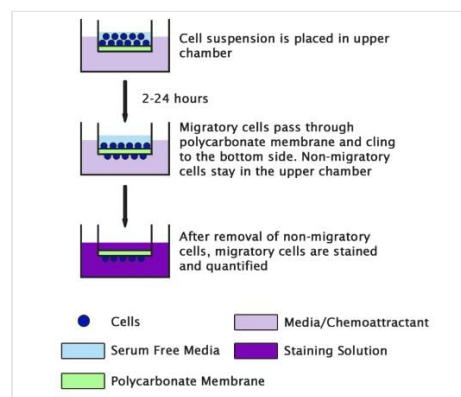
Application Data



Application Data



Application Data



Application Data

ADDITIONAL INFORMATION

Related Product Information for CytoSelect Cell Migration and Invasion Assay (8 um) assay kit	Background: Cell migration is a highly integrated, multistep process that orchestrates embryonic morphogenesis, tissue repair and regeneration. It plays a pivotal role in the disease progression of cancer, mental retardation, atherosclerosis, and arthritis. The initial response of a cell to a migration-promoting agent is to polarize and extend protrusions in the direction of the attractant; these protrusions can consist of large, broad lamellipodia or spike-like filopodia. In either case, these protrusions are driven by actin polymerization and can be stabilized by extracellular matrix (ECM) adhesion or cell-cell interactions (via transmembrane receptors). 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 hydrolysates, collagenases, plasminogen activators) while the expression of certain cell surface protease receptors is also increased. CytoSelect™ Cell Migration Assay utilizes polycarbonate membrane inserts (8 um pore size) to assay the migratory properties of cells. The 8 um pore size is optimal for epithelial and fibroblast cell migration. However, in the case of leukocyte chemotaxis, a smaller pore size (3 um) is recommended. CytoSelect™ Cell Invasion Assay utilizes basement membrane-coated inserts to assay the invasive properties of tumor cells. Each assay contains sufficient reagents for the evaluation of 12 samples.
Product Categories/Family for CytoSelect Cell Migration and Invasion Assay (8 um) assay kit	Cell Based Assays; Cell Migration; Invasion and Wound Healing; Boyden Chamber Assays; Chemotaxis/Cell Invasion Combo Kits

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-cell-migration-and-invasion-assay-8-um/44578>