

CytoSelect 24-well Collagen Assay Kit

CytoSelect 24-well Collagen Cell Invasion Assay, Fluorometric

CATALOG #
AAA44514

PRODUCT SYNONYMS

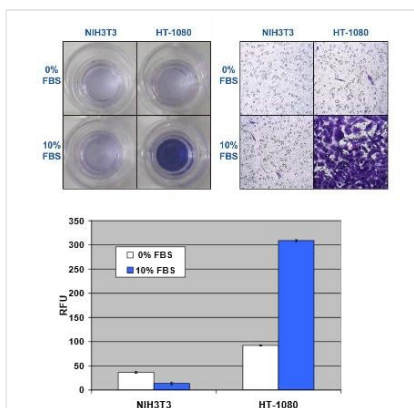
CytoSelect 24-well Collagen; CytoSelect 24-well Collagen Cell Invasion Assay; Fluorometric; CytoSelect 24-well Collagen assay kit

PRODUCT SPECIFICATIONS

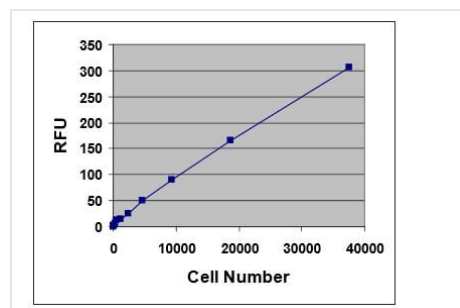
Preparation and Storage

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

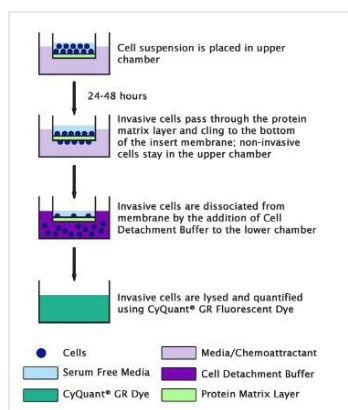
IMAGES



Application Data



Application Data



Application Data

ADDITIONAL INFORMATION

Related Product Information for CytoSelect 24-well Collagen assay kit	Principle of the assay: The CytoSelect Collagen Cell Invasion Assay Kit contains polycarbonate membrane inserts (8 µm pore size) in a 24-well plate. The upper surface of the insert membrane is coated with a uniform layer of dried Bovine Type I Collagen matrix. This collagen matrix layer serves as a barrier to discriminate invasive cells from non-invasive cells. Invasive cells are able to degrade the collagen matrix layer, and ultimately pass through the pores of the polycarbonate membrane. Finally, these invaded cells are then dissociated from the membrane and subsequently detected by the patented CyQuant GR Dye (Invitrogen). 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. CytoSelect Collagen Cell Invasion Assay Kit utilizes Bovine Type I Collagen-coated inserts to assay the invasive properties of tumor cells. It contains sufficient reagents for the evaluation of 12 samples.
Product Categories/Family for CytoSelect 24-well Collagen assay kit	Cell Based Assays; Cell Migration; Invasion and Wound Healing; Boyden Chamber Assays-Cell Invasion Assays
References	1. Erkell, L. J., Schirmacher, V. (1988) Cancer Res 48, 6933-6937. 2. Montgomery, A. M. P., De Clerck, Y. A., Langley, K. E., Reisfeld, R. A., Mueller, B. M. (1993) Cancer Res 53,693-700. 3. Monsky, W. L., Lin, C. Y., Aoyama, A., Kelly, T., Akiyama, S. K., Mueller, S. C., Chen, W. T. (1994) Cancer Res 54,5702-5710.

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.