

CytoSelect 96-well Collagen Assay Kit

CytoSelect 96-well Collagen Cell Invasion Assay, Fluorometric

CATALOG #
AAA44504

PRODUCT SYNONYMS

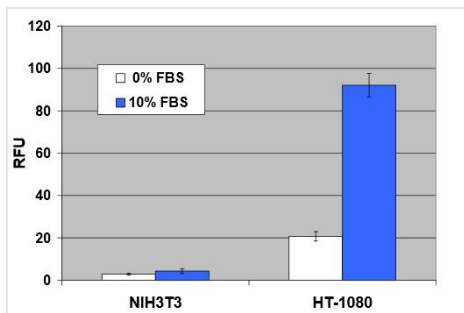
CytoSelect 96-well Collagen; CytoSelect 96-well Collagen Cell Invasion Assay; Fluorometric; CytoSelect 96-well Collagen assay kit

PRODUCT SPECIFICATIONS

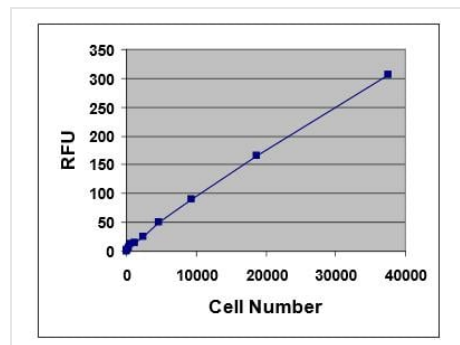
Preparation and Storage

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

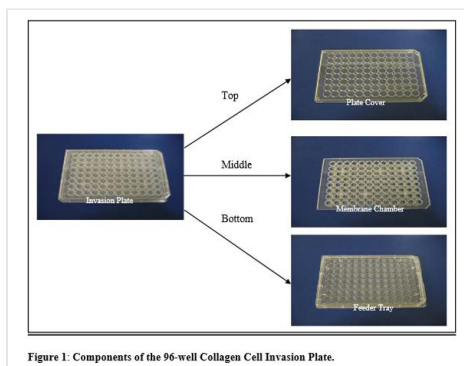
IMAGES



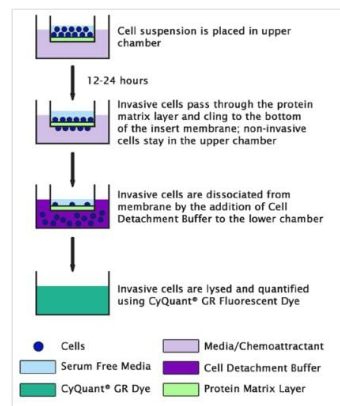
Application Data



Application Data



Application Data



Application Data

ADDITIONAL INFORMATION

Related Product Information for CytoSelect 96-well Collagen 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 hydrolsates, collagenases, plasminogen activators) while the expression of certain cell surface protease receptors is also increased. CytoSelect 96-well Collagen Cell Invasion Assay Kit utilizes Bovine Type I Collagen-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 Collagen Cell Invasion Assay Kit provides a robust system for the quantitative determination of cell invasion. It contains sufficient reagents for the evaluation of 96 samples.
Product Categories/Family for CytoSelect 96-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. 1. Ishiba, T. e. al. (2014). Periostin suppression induces decorin secretion leading to reduced breast cancer cell motility and invasion. Sci Rep. 4:7069. 2. Ziemann, A. et al. (2013). CRN2 enhances the invasiveness of glioblastoma cells. Neuro Oncology 10.1093/neuonc/nos388. 3. Liu, X. et al. (2013). Antiproliferative, antiinvasive, and proapoptotic activity of folate receptor alpha-targeted liposomal doxorubicin in nonfunctional pituitary adenoma cells. Endocrinology 154:1414-1423. 4. Ziemann, A. et al. (2013). CRN2 enhances the invasiveness of glioblastoma cells. Neuro Oncology 10.1093/neuonc/nos388.

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-collagen/44504>