

CytoSelect 24-Well Cell Co-Culture System Assay Kit

CytoSelect 24-Well Cell Co-Culture System

CATALOG #
AAA44527

PRODUCT SYNONYMS

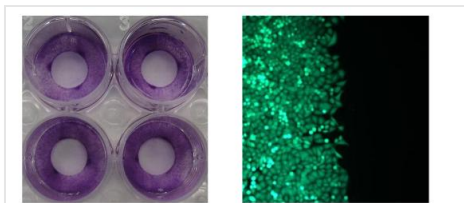
CytoSelect 24-Well Cell Co-Culture System; CytoSelect 24-Well Cell Co-Culture System assay kit

PRODUCT SPECIFICATIONS

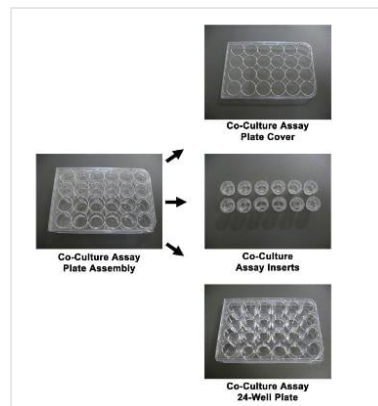
Preparation and Storage

Upon receipt, store the Cell Co-Culture Plates at room temperature and Calcein AM at -20 degree C.

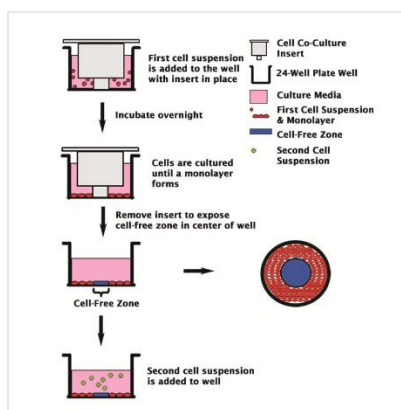
IMAGES



Application Data



Application Data



Application Data

ADDITIONAL INFORMATION

Related Product Information for CytoSelect 24-Well Cell Co-Culture System assay kit	Principle of the Assay: The CytoSelect™ 24-well Cell Co-Culture System contains two 24-well plates each containing 12 proprietary treated plastic inserts. Calcein AM is also provided for viewing results with fluorescence microscopy.!!Background/Introduction: The ability to co-culture multiple cell types has enabled novel ways to study cancer, developmental biology, and tissue engineering. Three-dimensional co-culture of endothelial and smooth muscle cells have enabled the structure of a blood vessel to be mimicked. Co-culture experiments of carcinoma and intratumoral stromal cells have played an important role in understanding breast cancer initiation, promotion, and progression. Additionally, feeder cells are commonly co-cultured with stem cells to maintain pluripotency. A common co-culture method utilizes the Boyden Chamber to culture one cell type in the insert with a second cell type in the plate well. However, this approach does not allow for direct cell-cell interaction, recognized as critical in determining cell behavior and producing a more relevant in vivolike environment. The CytoSelect™ 24-Well Cell Co-Culture System provides a unique platform to monitor direct contact between two cell types in a single well. First, cells are cultured until they form a monolayer around the insert, creating a defined 8 mm diameter cell-free zone. Once the insert is removed, a second cell type may be seeded into the exposed zone. The kit contains proprietary treated inserts and sufficient reagents for the evaluation of 24 samples. The inserts are compatible with most adherent cell types and experimental conditions.
Product Categories/Family for CytoSelect 24-Well Cell Co-Culture System assay kit	Cell Based Assays; Cell Co-Culture System
References	1. Orlidge, A. and D'Amore, P.A. (1987) J. Cell Biol. 105, 1455-1462. 2. Hesselman, M.C. et al. (2012) PLoS One 7, e36982. 3. Hong, J.W. et al. (2013) Lab Chip 13, 3033-3040. 4. Bacchus, W. et al. (2012) Nat. Biotech. 30, 991-996. 5. Hatherell, K. et al. (2011) J. Neurosci. Methods 199, 223-229. 6. Campbell, J. et al. (2011) PLoS One 6, e25661.

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-24-well-cell-co-culture-system/44527>