

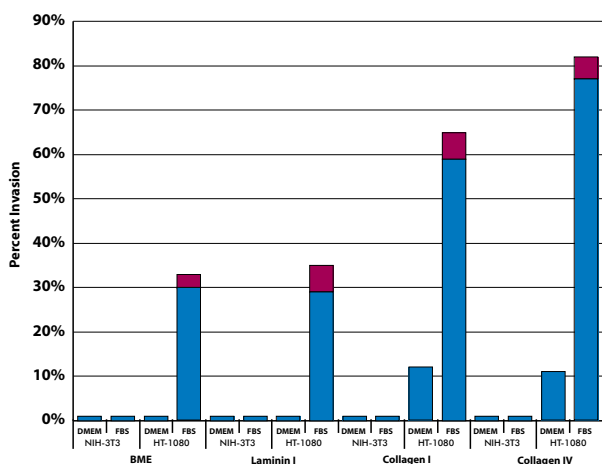
# Cultrex 96 Well Cell Invasion Assay Kits

The Cultrex Cell Invasion Assay Kits were created in an effort to accelerate the screening process for compounds that influence cell migration, which is a fundamental function of cellular processes such as angiogenesis, embryonic development, immune response, and metastasis of cancer cells. Cultrex assays offer a flexible, standardized, high-throughput format for quantitating the degree to which invasive cells penetrate a barrier consisting of basement membrane components in vitro in response to chemoattractants and/or inhibiting compounds. The Cultrex Cell Invasion Assay has been adapted to multiple formats so that cell migration may be evaluated against different basement membrane components. The assay is available in the following kit formats.

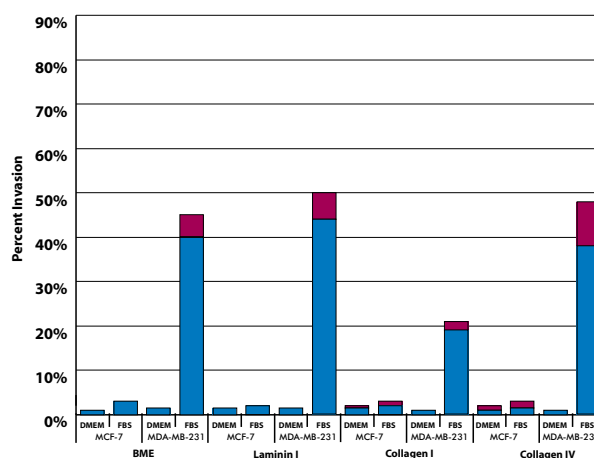
Assay	Catalog #	Price
Cultrex 96 Well BME Cell Invasion Assay Kit*	3455-096-K	\$325.00
Cultrex Laminin I Cell Invasion Assay Kit*	3456-096-K	\$325.00
Cultrex Collagen I Cell Invasion Assay Kit*	3457-096-K	\$325.00
Cultrex Collagen IV Cell Invasion Assay Kit*	3458-096-K	\$325.00

\*Kit components include matrix, coating solution, invasion chamber, buffers, and calcein AM.

**A** Cultrex® Cell Invasion Assays Fibroblastic Cell Lines



**B** Cultrex® Cell Invasion Assays Breast Cancer Cell Lines

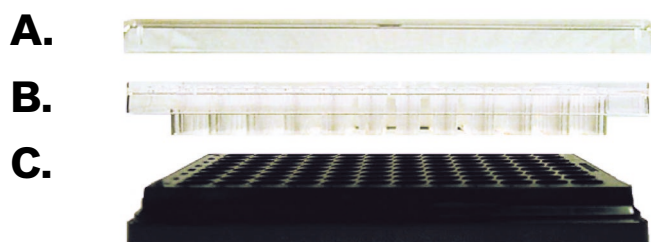


Quantitation of the ability of fibroblastic cell lines (A) and epithelial breast cancer cell lines (B) to cross a barrier consisting of an 8 micron polyester filter occluded with different extracellular components over a 24 hour period in response to 10% FBS. Samples were run in quadruplicate for non-invasive cell types, MCF-7 and NIH-3T3, and invasive cell types, HT-1080 and MDA-MB-231. Blue areas represent average invasion, and red areas represent standard deviation.

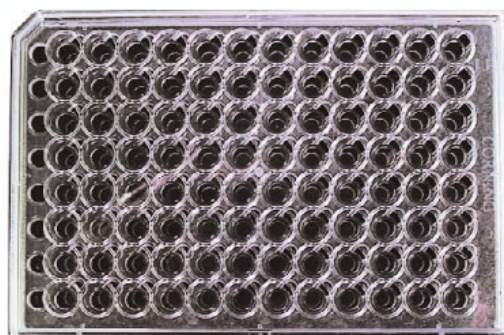
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## Cell Invasion Chamber

**Exploded View**



**Top View**



**A. Cover**

**B. Chamber (insert)  
(8) micron pore membrane**

**C. Receiver Plate**

- More sensitive assay.
- Competitively priced in a 96 well format.
- The receiver plate is compatible with 96 well fluorescent readers which eliminates the requirement for transfer saving time and reducing error.
- The receiver plate was designed specifically for fluorescence detection and it's black surface eliminates crosstalk between wells and minimizes background.
- The chamber is designed so that the assay may be performed without disassembly until the final analysis. This format helps prevent contamination from handling and may be adapted for high throughput screening (robotic).
- The assay has been functionally tested with MCF7, HT1080, NIH3T3, and MDA-MB-231 cell lines.
- Each lot of Cultrex Cell Invasion Assay kits has been tested to ensure that invasive cell lines, HT-1080 and MDA-MB-231, penetrate a barrier consisting of an 8 micron polyester membrane occluded with basement membrane components while non-invasive cell lines, NIH-3T3 and MCF7, do not penetrate this barrier.

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