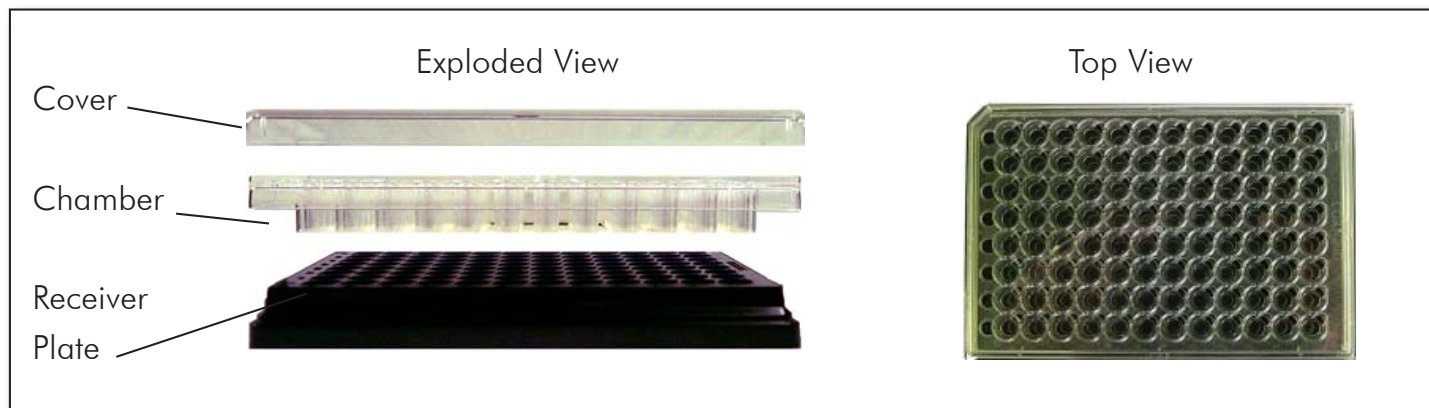


# Cell Invasion/Migration Assays

## FOR QUANTITATING THE DEGREE TO WHICH INVASIVE CELLS PENETRATE A BARRIER...

Cultrex® and CultreCoat® Cell Invasion Assays were created in an effort to accelerate the screening process for compounds that influence cell migration through extracellular matrices. These 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 invasion may be evaluated against different extracellular matrices; Basement Membrane Extract (BME), Laminin I, Collagen I, Collagen IV.



### TESTIMONIALS

*"My company has been using Trevigen's Cultrex® Collagen I and IV Cell Invasion Assays to screen numerous compounds. We have found that these kits are reliable and the results are always consistent. The dependability of these kits is essential when screening a variety of compounds in a limited amount of time. We had tested a variety of cell invasion assay kits on the market and found that nothing compared to the quality of Trevigen's Cell Invasion Assays."*

**Vivian Barry**, Scientist, Arresto Biosciences

*"I have used Trevigen's Cultrex® 96 well Cell Invasion Assay for several months last year and found it is simple, fast and reliable assay. By reading fluorescent absorbance, it is easy to run many samples in a 96-well plate. Therefore, this assay may potentially be used for compound screening."*

**Pharmaceutical Researcher**

*"The CultreCoat® plates worked out great. I have struggled with the cell invasion assay for a long time. With the CultreCoat® Cell Invasion Assay from your company, I finally can close my project. The assay is nice and easy and most importantly, the variation between replicates is small and bias is minimal."*

**Lan Chun Tu Ph. D.** Research Scientist, Institute for Systems Biology

**CultreCoat® Cell Invasion Assay Features**

- Pre-coated inserts save time.
- Pre-coated inserts improve reproducibility of results.
- Complete kit format.
- Coating process assures uniform layers of BME plate to plate, and lot to lot, to minimize variability.



**Cultrex® Cell Invasion Assay Features**

- Basement Membrane Extract (BME), Laminin I, Collagen I, and Collagen IV formats.
- Kit components include matrix, coating solution, invasion chamber, buffers, and Calcein AM.
- 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 line MDA-MB-231, penetrates a barrier consisting of an 8 micron polyester membrane coated with basement membrane components while the non-invasive cell line MCF7, does not penetrate this barrier.
- Available in a 96 or 24 well format.

**96 Well Cell Invasion Plate**

- 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 its 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 chamber also includes a clear receiver plate for colorimetric detection.

**CELL INVASION ASSAYS**

Description	Size	Catalog #
<b>CultreCoat® 24 Well RGF BME Cell Invasion Assay</b>	24 Samples	3460-024-K
<b>Cultrex® 24 Well BME Cell Invasion Assay</b>	24 Samples	3455-024-K
<b>Cultrex® 24 Well Collagen I Cell Invasion Assay</b>	24 Samples	3457-024-K
<b>Cultrex® 24 Well Collagen IV Cell Invasion Assay</b>	24 Samples	3458-024-K
<b>Cultrex® 24 Well Laminin I Cell Invasion Assay</b>	24 Samples	3456-024-K
<b>Cultrex® 96 Well BME Cell Invasion Assay</b>	96 Samples	3455-096-K
<b>Cultrex® 96 Well Collagen I Cell Invasion Assay</b>	96 Samples	3457-096-K
<b>Cultrex® 96 Well Collagen IV Cell Invasion Assay</b>	96 Samples	3458-096-K
<b>Cultrex® 96 Well Laminin I Cell Invasion Assay</b>	96 Samples	3456-096-K
<b>Cultrex® Endothelial Cell Invasion Assay</b>	96 Samples	3471-096-K

**FOR QUANTITATING THE DEGREE TO WHICH CELLS MIGRATE IN RESPONSE TO CHEMOATTRACTANTS...**

**Cultrex® Cell Migration Assay Features**

- Quantitative assay to measure the degree of cell migration *in vitro*.
- Kit components include cell invasion chamber, buffers and Calcein AM.
- Available in a 96 or 24 well format.

**CELL MIGRATION ASSAYS**

Description	Size	Catalog #
<b>Cultrex® 24 Well Cell Migration Assay</b>	24 Samples	3465-024-K
<b>Cultrex® 96 Well Cell Migration Assay</b>	96 Samples	3465-096-K

WE PROVIDE A CONTRACT SCREENING SERVICE USING THESE ASSAYS – SEE PAGE 23 FOR DETAILS