

Reveal Data Never Seen Before ...

Oris™ Cell Migration Assembly Kit - FLEX

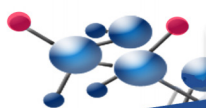
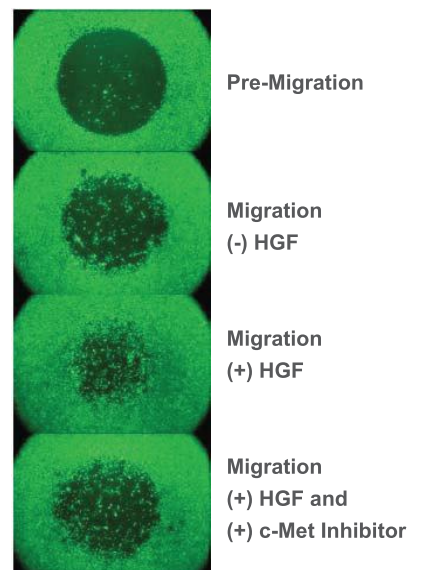
More Convenient for Partial 96-well Plate Experiments

The original Oris™ Universal Cell Migration Assembly kit has just become more flexible. The new Oris™ Cell Migration Assembly Kit – FLEX allows for more control over how many tests can be performed in a single experiment. Now use anywhere from 4 to 96 test wells per experiment; it's your choice. Whether you are studying cancer metastasis or wound healing, the Oris™ Cell Migration Assembly Kit - FLEX adapts to your unique experimental design.

Product Features & Benefits

- **Flexible Evaluation** – Perform up to 4 partial plate experiments without compromising the sterility or the integrity of the plate.
- **More Data Per Well** – Analyze cells treated with multiple fluorescent probes, labels or stains by using a microplate reader, microscope or high content imaging system.
- **Creative Assay Design** – Coat any ECM or BME on the plate to create a 2-D or 3-D environment for cell migration or cell invasion assays with adherent cell lines.
- **Reproducible Results** – Achieve lower well-to-well CV's with the unique Oris™ assay design than with scratch assays.
- **Real-Time Monitoring** – Track changes in cell movement and morphology as cell migration or invasion progresses.
- **HTS and HCS Compatibility** – Observe cells directly without interference from cell culture inserts or transmembrane devices.

Figure 1. PC-3 Cell Migration with the Oris™ Cell Migration Assembly Kit – FLEX: Oris™ Cell Seeding Stoppers were inserted into the Oris 96-well compatible plate. PC-3 cells (40,000 per well) were seeded onto the stopper populated plate and allowed to adhere overnight in the presence of 0.5% FBS. Stoppers were removed and media was replaced with serum-free media +/- c-Met inhibitor (625 nM). After 4 hours, HGF (40 ng/mL) was added and the plates were incubated an additional 48 hours to permit cell migration. Cells were labeled with Calcein AM and quantitative data was obtained via fluorescence microplate reader (data not shown) and images were obtained via fluorescence microscopy (in the absence of the Oris™ Detection Mask).

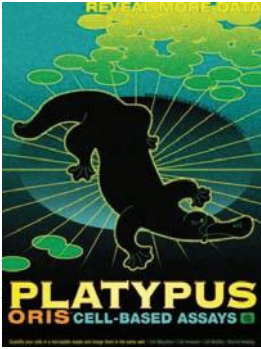


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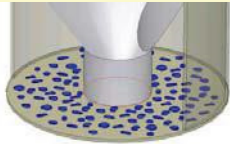


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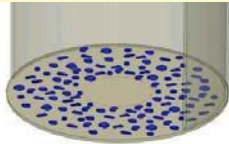
Cell Migration and Cell Invasion Assay Design Options

CELL MIGRATION ASSAY	CELL INVASION ASSAY
<ol style="list-style-type: none"> 1. Insert Oris™ Cell Seeding Stoppers. 2. Seed each well with cells (to achieve 90-95% confluency around Oris™ Stoppers). 3. Incubate microplate to allow cell adherence to bottom of well. 4. Remove Oris™ Stoppers. 5. Change to fresh media containing inhibitors. 6. Allow cells to migrate into the detection zone. 7. Stain cells with Calcein AM and/or DAPI nuclear dye. 8. Measure migration with a microplate reader, microscope or digital imaging system. 	<ol style="list-style-type: none"> 1. Coat Oris™ Compatible microplate with Collagen I. 2. Insert Oris™ Cell Seeding Stoppers. 3. Seed each well with cells (to achieve 90-95% confluency around Oris™ Stoppers). 4. Incubate microplate to allow cell adherence to bottom of well. 5. Remove Oris™ Stoppers. 6. Overlay cell monolayer with Collagen I. 7. Add fresh media overlay containing inhibitors. 8. Allow cells to invade into the detection zone. 9. Stain cells with TRITC-phalloidin for actin staining and DAPI nuclear dye. 10. Measure invasion with a microplate reader, microscope or digital imaging system.

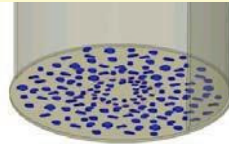
Oris™ Cell Migration Assembly Kit – FLEX Steps



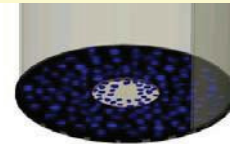
Insert Stoppers, Seed Cells onto Oris™ Plate & Allow to Adhere



Remove Stoppers to Create Detection Zone



Allow Cells to Migrate into Detection Zone



Analyze Detection Zone (Cells that HAVE NOT Migrated into Detection Zone are Blocked from View with Detection Mask Attached)

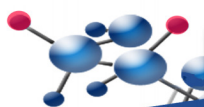
Product Listing

PROD. NO.	DESCRIPTION	SIZE
CMAUFL4	Oris™ Cell Migration Assembly Kit – FLEX Oris™-compatible, 96-well, Tissue Culture Treated Plates (black, clear bottom), 4 Oris™ Cell Seeding Stoppers, 4 packs of 24* Oris™ Detection Mask, 1 Oris™ Stopper Tool, 1 <i>* sufficient materials for 96 tests</i>	1-kit
CMA1.101	Oris™ Universal Cell Migration Assembly Kit – Tissue Culture Treated	1-pack
CMA5.101	Oris™ Universal Cell Migration Assembly Kit – Tissue Culture Treated	5-pack
CMACC1.101	Oris™ Cell Migration Assembly Kit – Collagen I Coated	1-pack
CMACC5.101	Oris™ Cell Migration Assembly Kit – Collagen I Coated	5-pack
CMATR1.101	Oris™ Cell Migration Assay – TriCoated	1-pack
CMATR5.101	Oris™ Cell Migration Assay – TriCoated	5-pack
CIA101DE	Oris™ Cell Invasion & Detection Assay	1-pack
CIA200DE	Oris™ Cell Invasion & Detection Assay	2-pack



Oris™ Cell Migration Assembly Kits are supplied with Oris™-compatible microplates, Oris™ Cell Seeding Stoppers, one (1) Oris™ Detection Mask, and one (1) Oris™ Stopper Tool.
Oris™ Cell Migration Assay Kits are supplied with one (1) Oris™ Detection Mask, one (1) Oris™ Stopper Tool, and either one or five Oris™ microplates populated with Oris™ Cell Seeding Stoppers.

Additional Oris™ Cell-Based Assays and instructional videos are available at www.amsbio.com



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