PLATYPUS TECHNOLOGIES

Bringing Science to the Surface™

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Platypus Technologies, LLC
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New Oris™ Universal Cell Migration Assembly Kit
Cell migration without the frustration of membrane inserts

Madison, WI - Platypus Technologies announces the addition of the ***Oris™ Universal Cell Migration Assembly Kit,*** 96-well format, to its product line of cell-based assays. Unique Oris™ Cell Seeding Stoppers replace cumbersome membrane-based, cell culture inserts to generate real-time results (chemokinesis or 2-D closure studies). Unlike the original Oris™ Cell Migration kits (plate populated with stoppers), the Oris™ Universal Assembly Kit allows scientists to coat the 96-well plate with any Extracellular Matrix (ECM) component to create a migration or invasion assay. A 2-D closure assay can be designed by leaving the plate uncoated. The Oris™ Cell Seeding Stoppers are then inserted into each well where the stopper tip creates a protected 2 mm round zone in the center of each well. Cells are seeded, allowed to adhere and then the stoppers are removed exposing a detection zone into which cells can move. An overlay of an ECM on the cells after stopper removal provides a 3-D environment for studying invasion. Cell movement can be monitored in real-time by staining and viewing cells with a microscope or digital imaging system. A detection mask is snapped to the bottom of the plate permitting quantitation of stained cells using a plate reader. Kinetic or endpoint assays now become more flexible by using multiple labels in the same well on live cells or fixed cells. The assay is offered as a 1-plate starter pack and as a 5-plate multi-pack. A Collagen I coated plate version of the Oris™ Assembly Kit is also available.

Cell migration is critical to a variety of physiological processes including tumor cell metastasis, wound healing, the development of new blood vessels, and tissue regeneration. To learn more about the ***Oris™ Universal Cell Migration Assembly Kit,*** visit www.platypustech.com/discoverassemblykit.html.

About Platypus Technologies, LLC:

Platypus Technologies, LLC develops innovative products for the analytical and life sciences based upon the application of nanotechnology. Utilizing recent advances in nanoscale and material science, the company provides advanced tools for use in proteomics, cell-based studies, and environmental monitoring. The company is developing a range of products that derive from a proprietary platform technology utilizing liquid crystals for the rapid detection of molecular interactions.

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