

Platypus technologies, LLC now distributed by **TEMA ricerca**

ABOUT PLATYPUS™

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.

ORIS™ PRO CELL MIGRATION ASSAY

The Oris™ Pro Cell Migration Assays (Tissue Culture Treated or Collagen I Coated) are a 2nd generation Oris™ product in which the Oris™ Cell Seeding Stoppers have been replaced by a dissolving Biocompatible Gel (BCG). The BCG creates an annular monolayer of cells with a cell-free, central area into which cell migration can occur. The Oris™ Pro Cell Migration Assay enables the use of automated liquid handling equipment for cell seeding and allows unrestricted access to cells throughout the experiment. Readout can be performed in real-time using inverted microscopes and High Content Screening (HCS)/High Content Imaging (HCI) instruments.

ORIS™ PRO CELL INVASION ASSAYS

The Oris™ Pro Collagen I Cell Invasion Assay offers a versatile method that allows for imaging and quantitating cells invading through a 3-D Collagen I ECM in real-time. The Oris™ Pro Cell Invasion Assay uses a Biocompatible Gel and enables the use of automated liquid handling equipment for cell seeding and allows unlimited access to cells throughout the experiment. As with the Oris™ Pro Cell Migration Assay, cell invasion readout can be performed in real-time using inverted microscopes and High Content Screening (HCS)/High Content Imaging (HCI) instruments.

ORIS™ CELL MIGRATION ASSAY

The Oris™ Cell Migration Assays (Tissue Culture Treated or Collagen I Coated) provide a reproducible, sensitive, and flexible assay for the measurement of cell migration.

ORIS™ CELL INVASION ASSAY

The Oris™ Cell Invasion Assays offer a versatile method for imaging and measuring cells invading through a 3-D ECM (Collagen I or BME) in real-time.

GOLD-COATED SUBSTRATES

Platypus offers gold-coated glass slides, mica, silicon wafers, and coverslips.

TEMPLATE STRIPPED GOLD CHIPS

Platypus® Template Stripped Gold Chips provide an extremely smooth and clean gold surface for a variety of research needs, including AFM and SEM applications, biosensor development, and SAMs studies. Choose between chips stripped from a gold-coated atomically flat, cleaved mica template or chips stripped from a gold-coated prime grade silicon wafer template. Unlike epitaxially grown or flame annealed atomically flat Au (111) terraces that are smooth over minute surface areas (< 2 μm^2), Platypus® Template Stripped Gold Chips have an ultraflat, thin film of gold that covers the entire surface area of the chip.

NANO-PATTERNED POLYURETHANE SUBSTRATES

Polymeric substrates are optically transparent and possess an anisotropic topography on tens of nanometer scales. The substrates are also available with conformal coatings of gold.