

Oris™ and Oris™ Pro Cell Migration Assays

Visually Assess Cell Movement and Morphology

Product Overview

Oris™ assays employ exclusion zone technology to form centrally located cell-free zones in the centers of cell monolayers. The zones are created by the use of patented silicone stoppers in the Oris™ format and by a proprietary patent-pending biocompatible gel (BCG) in the Oris™ Pro assays.

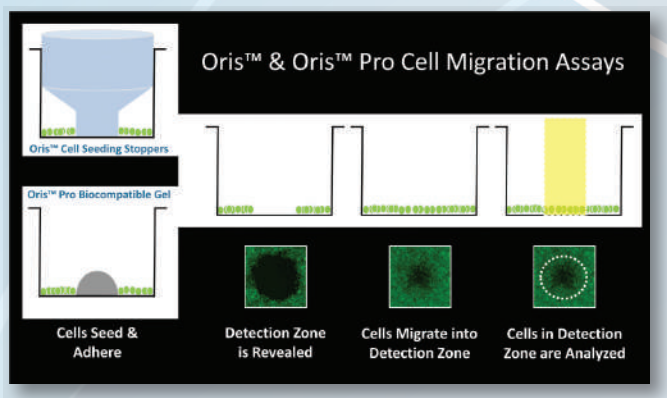


Oris™ Cell Seeding Stoppers



Oris™ Pro BCG

Assay Schematic



Product Highlights

- **Reproducible results**
Achieve low well-to-well CVs
- **Robust assay**
Obtain Z' factors suitable for compound screening
- **Versatile readout**
Use microscopes, high content imagers, and microplate readers
- **More physiological relevance**
Integrity of Extracellular Matrix (ECM) remains intact
- **Increased productivity**
Treat cells with multiple dyes or antibodies to reveal more information per assay well

Product Versatility

Oris™ (stopper-based) Assays in 96-well plates

Plate coatings

TC, Collagen I, Fibronectin
and TriCoat (32 wells of each coating)

Plate readiness

Stoppers pre-populated or on the side to permit coating with your choice of ECM

Plates for bench studies

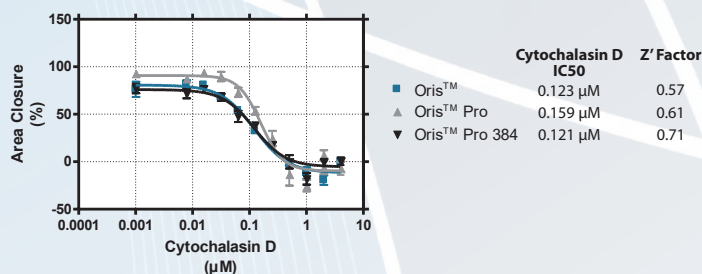
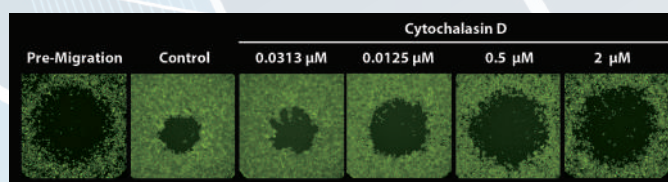
96 stoppers that can be populated in strips of 4 across 4 plates for users performing fewer assays

Oris™ Pro (BCG-based) Assays in 96-well and 384-well plates

Plate coatings

TC and Collagen I

Representative Data



HUVEC cells were seeded in the 96-well Oris™, 96-well Oris™ Pro and 384-well Oris™ Pro TC plates. Following attachment, stoppers were pulled and the BCG self dissolved. Cells were treated with the actin polymerization inhibitor, Cytochalasin D. After 18 hours, cells were stained with TRITC-phalloidin and images were captured on an inverted microscope, n = 4 wells/condition.

Additional Features of Oris™ Pro Assays

- **High-throughput**
Providing 96 and 384 assay wells per plate
- **Automatable**
Unlimited access to wells by liquid handling instruments
- **Less handling**
BCG self-dissolves to reveal detection zone (no need to remove stoppers)
- **Fewer steps**
No wash steps or additional reagents required

Certain uses of these products may be covered by U.S. Pat. 7,018,838 and 7,842,499 and applications 10/597,118, 11/342,413, and 12/195,007.



Ordering Information: 1.866.296.4455 • Fax 608.237.1271 • orders@platypustech.com • www.assayhub.com