

MicroStem's MicroMatrix™ 36 ECMP Array

MicroMatrix™ 36 ECMP array (product of MicroStem Inc, USA)

Key Applications

Cell attachment and growth screening; Cell based assay; High content screening
Species: Xeno-free human components; may react with other mammalian species

Product Description

The MicroMatrix™ cell culture system is an *in vitro* system for live cellular attachment of cells to 36 combinations of extra cellular matrix protein (ECMP) composed micro-environments. Compositions have been miniaturized in the form of 400µm uniform circular spots to support a cell based assay. The system relies on a cell type of interests inherent affinity towards a particular ECMP combination for adherence. Cell based assays may be performed directly on the system. Assays are end user defined and readouts may include standard fluorescence based imaging and whole cell colormetric staining. Assays can be real-time or end-point and can be performed using standard cell culture equipment.



MicroMatrix™ 36 Slide

Shipping/Technical

Ship on cold packs; Store at -20°C, stable 6 months (do not freeze thaw); cell culture ready

Reduced Protocol:

1. In a sterile hood: 1. Remove MicroMatrix slide and the four-chambered cell culture tray from package, do not touch the surface of the slide
2. Place the slide in one of the chambers of the tray (logo on the slide should be bottom right)
3. Add cells in 5ml media onto the slide
4. Incubate cells (3 hours - 2 days) until sufficient cell attachment is observed
5. Aspirate away unattached cells and perform user defined experiments
6. Fix/stain/image/analyze (end user defined)

Product Information

- Catalogue number: PB-MM012011 1 glass slide
- PB-MN012011-4 4 glass slides

Components/Kit:

1. One 75mm x 25mm hydrogel coated glass slide pre-printed with 36 ECMP combinations of collagen I, collagen III, collagen IV, collagen V, collagen VI, fibronectin, laminin, vitronectin and tropoelastin in a slide case
2. One four-chambered slide culture tray