

PRODUCT INFORMATION

Human Angiogenesis Assay Kit

Catalogue Number ZHA1000

Description

Twenty-four well tissue culture plate containing proliferating early passage normal human endothelial cells co-cultured with early passage normal human interstitial cells in a specially formulated culture medium. These cultures spontaneously develop a network of capillary-like tubules after 10-14 days in culture. Tubule development is believed to closely mimic *in vivo* angiogenesis and is enhanced by known stimulators of angiogenesis and suppressed by known angiogenesis inhibitors, both in a dose-dependent manner.

The kit contains sufficient culture medium to support development of the assay over the required 14 day period.

Characterisation

Immunohistochemistry:

The tubules produced in this model stain positive for von Willebrand factor, PECAM-1 and collagen type IV.

Biological Contaminants:

The cells and medium used in this assay have been tested and found to be negative for HIV-1, hepatitis B and hepatitis C viruses and for bacterial, fungal and mycoplasma.

Caution: All human cells, however tested, should always be treated as potentially pathogenic and must be manipulated and disposed of using the appropriate techniques for potentially biohazardous materials.

Test sensitivity

Tubule development in this assay is significantly inhibited by suramin at 20µg/ml and significantly stimulated by VEGF at 2ng/ml (relative to untreated control wells)

For research use only, not for diagnostic or therapeutic use