Creative Bioarray 3D Angiogenesis Assay: Accelerating The Research in Cell Biology

New York City, New York May 31, 2022 (Issuewire.com) - Creative Bioarray, is an innovative biotechnology company whose mission focuses on developing unique technologies to support research in the field of pharmaceutical, biotechnology, agriculture, and diagnostics. With a wide range of high-quality normal human and animal cells and a series of cell services, Creative Bioarray devotes itself to helping our customers accelerate life sciences research, solve complex analytical challenges and increase laboratory productivity. Recently, Creative Bioarray announces the release of its 3D Angiogenesis Assay to accelerate the research in cell biology.

Creative Bioarray can select cells from comprehensive human and animal cell banks or from cells provided by customers to test compounds. The experienced team utilizes models that capture the interactions between Sertoli cells and tumor cells, using multiple image readouts of the angiogenesis process to perform kinetic analysis, and based on the biological relevance of each tumor model, multiple cell types can be considered and bring it into the 3D system.

The potential for tumor angiogenesis is often associated with endothelial cell migration into tumor spheroids or the formation of vascular networks within spheroids. Creative Bioarray offers different types of in vitro angiogenesis services to meet customer needs for the inhibitory or inducing potential effects of test compounds. Characterization of angiogenesis has been established by using real-time tube formation assays or sprouting assays on 3D matrices.

Creative Bioarray provides 3D angiogenesis analysis to help you investigate angiogenic responses to test compounds and identify potential drug candidates. A major advantage of this technique is that angiogenesis can be analyzed in a 3D system, which is closer to in vivo conditions. This promotes cell-to-cell signaling between endothelial cells. Furthermore, this assay mimics the entire process of in vitro angiogenesis in three dimensions, including proteolytic degradation, cell migration, proliferation, and lumen formation. Therefore, spheroid-based angiogenic assays are valid in vitro assays to assess pro- or anti-angiogenic properties.

"Creative Bioarray offers a variety of angiogenesis testing services to support your research. Our experts certify QC testing of cell lines, media, in-process materials, and final products during the manufacture of pharmaceuticals and medical devices." said Hannah Cole, the marketing director of Creative Bioarray, she also added, "Creative Bioarray can help you better control quality and provide functionally relevant cellular data, measuring cell viability for multiple biomarkers simultaneously. These test methods also provide method development and consulting services for specific products."

About Creative Bioarray
Creative Bioarray is dedicated to offering customers innovative biotechnology products and services for research use to greatly enhance and drive innovation and standards in science. As a well-recognized industry leader with more than 10 years of experience and in-house experts supported, Creative Bioarray has already countenanced research all around the world.

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