Amerigo Scientific Announces New 3D Graphene for Bioprinting

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Amerigo Scientific recently launches 3D Graphene for printing electrically stimulated tissues.

Amerigo Scientific, a distribution company focused on providing critical products and services to the biomedical and life science research communities, recently launches 3D Graphene for printing electrically stimulated tissues such as cardiac, skeletal muscle and nerve, as well as biocompatible circuits.

Bioink is a solution of a biomaterial or a mixture of several biomaterials in the hydrogel form, usually encapsulating living cells, or bioactive molecules. For bioprinting, bioinks are essential components, and are cross-linked or stabilized during or immediately after the bioprinting to create the final shapes of the intended tissue constructs. The selection of appropriate bioink depends on the specific application and the type of cells as well as the bioprinter to be used. An ideal bioink should possess the desired physicochemical properties, such as cross-linking capability, mechanical, rheological, chemical, and biological characteristics.

Amerigo Scientific offers 3D bioprinters and related biomaterials and bioinks from a leader in the bioprinting industry to enabled researchers to reproduce the complex architecture of the native tissues with high precision in a rapid and continuous manner. In this release, 3D Graphene, which is a biocompatible, conductive material, can be printed at room temperature and can be seeded with cells post-print. This new 3D Graphene (Catalog Number: GRAPH) can be used for printing electrically stimulated tissues such as cardiac, skeletal muscle and nerve, and biocompatible circuits.

“In addition, Amerigo Scientific also offers 3D bioprinters from manufacturers developing revolutionary technologies, which can not only build a bioprinting platform for researchers in the early stage, but also meet the higher needs of researchers in regenerative repair, drug screening, tumor model, personalized medicine, and other areas.” said Nina Cooper, Ph.D.,

the chief scientist at Amerigo Scientific.
“We also offer a wide range of cell culture products to meet the needs of 3D bioprinting of our customers, including reagents, media, antibiotics and antimycotics, consumables, and cell strains. This new product together with our other biomaterials and bioinks enables our clients to better get what they need,” added Nina. “We are thrilled about our new tools and the opportunity to offer such products that will advance biomedical applications, and it is critical to helping customers make the most effective choices for future projects.”

Amerigo Scientific is a distribution company aiming to integrate global superior product resources and technical resources to provide scientists with the latest, professional solutions. For more information about the 3D Graphene, please visit here.

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