

Jellagen launches JellaGel™, the first Collagen Type 0 Hydrogel taking on the market leading Extracellular Matrix.

Cardiff, 14th January 2021

- JellaGel™ uses Collagen Type 0 (marine sourced jellyfish) and is non-mammalian.
- The hydrogel kit is easy to use (with Buffer and Crosslinker).
- JellaGel™ can be used at room temperature.



Jellagen® Limited, a biotechnology company manufacturing high value Collagen Type 0 derived from jellyfish, announce the launch of their JellaGel™ Hydrogel.

3-dimensional Hydrogels allow cells to grow and interact with all of their surroundings which makes a huge difference. Cells grown in a 3D model have proven to be more natural, with improved cell viability, morphology, proliferation, and differentiation. These are important features enabling researchers to develop JellaGel as a potential matrix for new drug screening models or in the preparation of human tumor xenografts models as part of cancer drug discovery programs.

JellaGel provides customers with a non-mammalian, natural, biochemically simple, consistent, and easy to use hydrogel that can transform their research. Being biochemically simple means there is no unwanted/undefined growth factors or biological contaminants in JellaGel that could negatively influence the culture of cells, giving researchers more control. One of the greatest features of JellaGel is that it can be used at room temperature meaning there is no need for ice or cold rooms, unlike most hydrogels currently on the market.

Jellagen CEO, Thomas-Paul Descamps commented;

“I am very impressed by the work delivered by the team. It has been a long journey as it is a complex challenge for a small company to create, manufacture and launch a hydrogel based on polymers such as Jellyfish collagen. It is also very ambitious in a conservative market where there has been few innovations in the past. But as a result, there are a lot of improvements which can be brought against the competition. Because of the unique scaffold properties of Jellyfish collagen, “the stem collagen” we never gave up on this challenge and are now very proud to bring to the market such an innovative solution to grow cells.”

Jellagen Founder & CSO, Andrew Mearns Spragg commented;

“Jellyfish represent the evolutionary route of all collagens. This Collagen Type 0 is a chemistry innovation and is a breakthrough biomaterial presenting the market with an important alternative to conventional scaffold sources used in 3D cell culture. Researchers will now benefit from JellaGel’s unique features derived from this non-mammalian and natural (prion / disease-vector free) collagen material such as its chemically simple composition that fundamentally leads to improved batch to batch consistency of 3D cell culture.”

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