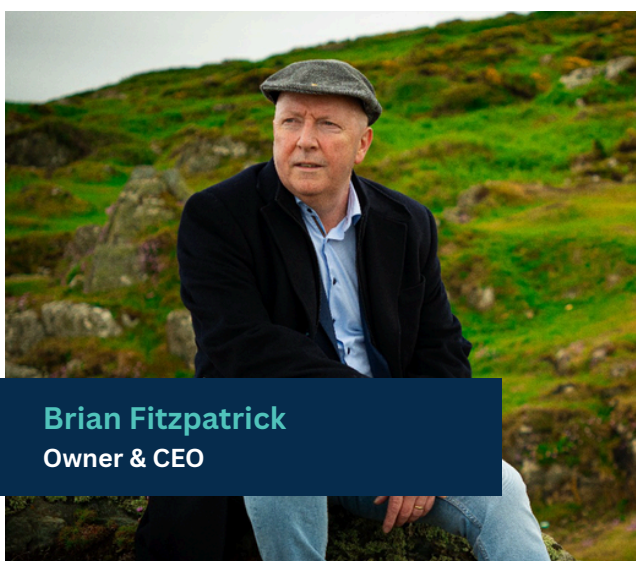

CLIENT
SPOTLIGHT

Oriel Marine Extracts



Oriel Marine Extracts is based in County Louth, Ireland, with its roots in the coastal community of Clogherhead. The company develops marine-derived ingredients, including Hydrasphere™, a deep seawater mineral and trace element matrix designed to support skin health.

Brian Fitzpatrick, Owner & CEO of Oriel Marine Extracts, spoke to us about their recent work with Labskin and how advanced imaging helped them better understand Hydrasphere™ and its activity within the skin.



Brian Fitzpatrick
Owner & CEO



CLIENT SPOTLIGHT: ORIEL MARINE EXTRACTS

Understanding How Hydrasphere™ Works

Oriel Marine Extracts had already demonstrated the positive impact of Hydrasphere™ on skin health and had observed that its effects occurred rapidly. The next question was why.

The team wanted to understand what was happening within the skin and what mechanisms were driving this rapid activity. Rather than simply measuring an endpoint, they wanted to see the process happening in real time.

Why LabSkin?

Oriel Marine Extracts has worked with LabSkin models for almost 10 years across burns, wound and skincare research. They already had experience of the models, and their team knew the biological relevance they could provide.

For this study, however, Oriel needed specialist imaging expertise and equipment that was not available in-house. Following an initial trial, LabSkin confirmed that the study could deliver the required data.

Seeing the Science in Real Time

The time-course imaging study provided a visual picture of Hydrasphere™ moving through the skin, including intercellular and intracellular movement.

For Oriel, this helped explain not only what was happening, but how and why. The study also demonstrated impacts on key enzymes and proteins within the skin micro-environment.

“We were beginning to understand the how and the why in a deeper and more visual way.”

The visual evidence was particularly valuable in communicating the findings to research teams, partners and customers, making the science easier to understand and follow.

From Data to New Opportunities

The findings have expanded Oriel’s thinking around potential applications for Hydrasphere™ and provided a clearer understanding of its mode of action.

For Brian, the collaborative approach was also important:

“I am not a scientist but am constantly learning and looking to understand, so it becomes really important to have someone explain things in a way that is easy to follow.”

The study has given Oriel a stronger scientific story to share with its partners and customers, while opening up new areas for continued research.



GET IN TOUCH

Ready to revolutionise your product testing with Labskin.

Talk to our expert team to find out how we can support your research and development needs.



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