Lacromin™ (Recombinant Human Lactoferrin) Shown to Enhance Keratinocyte Growth and Epithelialization

Fort Collins, CO June 3, 2010 – A recent study demonstrates Lacromin™ (Recombinant Human Lactoferrin) stimulates proliferation of skin keratinocytes, the outermost layer of the human skin. The study, ‘Human Lactoferrin Stimulates Skin Keratinocytes Function and Wound Re-epithelialization’, was published in the online version of British Journal of Dermatology (March 6, 2010). The study revealed that Lacromin™ stimulates proliferation and migration of skin keratinocytes and also inhibits apoptosis. Further, the study showed that Lacromin™ promotes wound re-epithelialization in a wound study. These research findings were the result of a significant research effort led by Dr. Jie Li at University of Miami, Miller School of Medicine, with funding from National Institute of Health.

Dr. Jie Li and colleagues concluded, “Our studies demonstrate the direct effects of recombinant human lactoferrin on wound re-epithelialization including the enhancement of keratinocyte proliferation and migration as well as the protection of cells from apoptosis. The data strongly indicate its potential therapeutic applications in wound healing.

The success of these studies has warranted further evaluation of recombinant human lactoferrin and its potential therapeutic application in wound care and regenerative medicine. By increasing cell proliferation in skin keratinocytes, accelerated wound repair would lead to improved treatment options for patients.

Currently, the stem cell and regenerative medicine industry utilizes Lacromin™ to improve cell growth and performance in a variety of cell types, including keratinocytes.

“The positive results in cell proliferation, migration and reduced apoptosis will lead to additional opportunities for Lacromin™ to make a contribution to human health in the stem cell and regenerative medicine field as well as a potential therapeutic in wound care,” said Dr. Ning Huang, Vice President of Research and Development, InVitria.

About InVitria – InVitria.com

InVitria specializes in cell culture media supplements to enhance the performance of bioproduction, biopharmaceutical formulation, stem cell & regenerative medicine, life science research, medical devices and diagnostics.

InVitria supplied the Lacromin™ (Recombinant Human Lactoferrin) used in this study (see www.Lacromin.com).
For more information, please e-mail info@InVitria.com or call 1-800-916-8311.

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