



# Harmonizing the skin's moisture flow

## MIBELLE BIOCHEMISTRY

Mibelle Biochemistry presents MossCellTec™ Aloe, the first cosmetic extract from the rare moss species *Alouina aloides*, also known as aloe-moss. This unique extract is produced by using Mibelle Biochemistry's MossCellTec™ biotechnology, an exceptional approach to prepare moss extracts for cosmetics.

The effect of MossCellTec™ Aloe is based on a new cell-to-cell communication concept. One type of cell-to-cell communication is mediated by gap junction channels that connect the cytoplasm of neighboring cells. These channels are built of connexin proteins and allow for the efficient cell-to-cell transfer of signaling molecules, ions, and water. Thus, a strong network of connexins improves the distribution of molecules and the direct cell-to-cell communication, enabling a fast and synchronized response of the skin. Connexin function, however, can be impaired during aging. Aloe-moss extract has shown to improve the signal propagation via gap junctions. By activating efficient cell-to-cell communication via connexin-based gap junction channels in the epidermis, it allows for a synchronized reaction of the skin. This is reflected by a harmonized distribution of skin moisture and reduced signs of skin aging, such as wrinkle volume and depth. ■

