

Most Innovative Gut Health-Focused BioTech Company - Northern Europe

Norwegian company, EderaGen is disrupting our perception of gut health by getting back to nature. Based on ecological principles, EderaGen develops products designed to strengthen the innate immune system by balancing the microbial community in the human gut. We take a look at the company and its award-winning concept with founder and CEO, Knut Eirik Andersen.

When you think about eating dirt it might conjure up images of running barefoot and making mud pies as a child. Or perhaps you or your partner experienced cravings for the stuff when pregnant. Either way, your experience most likely ended there. But what is it about eating dirt that repels or attracts us? We're often advised to get back to nature to improve our health. One company is exploring the age-old benefits of digesting some of the earth we walk upon to do that.

Since 2018, Bergen-based company, EderaGen has dedicated itself to developing the concept of 'deconstructed soil'. EderaGen launched its first product, EderaGard®, a dietary supplement in tablet form, to the domestic market last year. The company's invention 'deconstructed soil composition' was granted a Norwegian patent in 2023.

In today's hygienic, often antibacterial, societies we've lost much of our affinity with nature. No longer in daily contact with plants and wild animals, walking barefoot is often reserved for the occasional beach holiday. But the benefits of reconnecting with nature for our mental wellbeing are gaining media attention. And the far-reaching effects of not spending time outdoors on our physical bodies are becoming more evident.

Hundreds of millions of people worldwide suffer from diseases and disorders which relate to gut dysbioses. Cases of obesity, inflammatory disorders, asthma, allergy, diabetes, some mental disorders, and untreatable gastroenterological conditions such as irritable bowel syndrome are all impacted or caused by imbalances of bacteria in the gut. Removing this dysbiosis is crucial for the body to maintain its ability to fight infection of bacteria and viruses.



Chairman, Professor Emeritus Jan Raa

Designed to compensate for our loss of contact with the microbial ecosystems

of natural soil, EderaGen's deconstructed soil reduces the risk of disease and infection. The active ingredients in EderaGard® regulate the microbial ecosystem in the gut and counteract gut dysbiosis.



Knut Eirik Andersen, CEO

Knut Eirik Andersen explains, "As a novel and unique concept, deconstructed soil has redefined the basic principles of regulating the gut microbiome. It's known as an ecoceuticum. It affects the ecology of complex bacterial communities in a different way than other products. It consists of naturally occurring undigestible biopolymers with the same basic composition and structure as certain components in old, black forest soils. It doesn't contain nutrients for microbial growth (prebiotics), or live bacteria (probiotics). When we add deconstructed soil to a complex microbial community, such as the gut microbiota, it supports beneficial species whilst suppressing unfavourable ones."

It's logical to think that all we need to do to combat dysbiosis is to ingest a little natural soil from time to time. But in industrial and densely populated areas this may cause more problems than it solves. Heavy metals, herbicides, parasites, and pathogenic microbes are environmental contaminants that make reverting to the lifestyle of our ancestors a risk not worth taking.

Instead, EderaGard® taken in up to four tablets daily, is a safe way to compensate for our lack of exposure to natural soils. The ecoceuticum suppresses inflammation and enhances energy redistribution among microorganisms in the gut. It creates an 'inner soil' in which even the most vulnerable, oxygen-sensitive gut bacterial species can flourish.

Knut Eirik says, "This is critical for any product intended to improve gut health. The loss of oxygen-sensitive species is the common denominator of microbial dysbiosis in all western lifestyle diseases. The ecoceuticum acts in harmony with the host's evolutionary history. It restores ecological balance in the microbial ecosystem in the gut and favours anti-inflammatory species lost in modern human societies. It's the only product to offer an ecological solution to a problem where the root cause is ecological imbalance. EderaGard® takes the lead as the first ecoceuticum in existence."

International patents are pending for EderaGard® in Europe, the Americas and Japan. Next steps for EderaGen include implementing a growth plan with a strong focus on marketing and sales of present products, as well as exploring new products and markets.

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