

EUROPEAN BLACK ELDERBERRY EXTRACT

IMMUNE SUPPORT AND PREBIOTIC EFFECT



 **ElderCraft**[®]
Health through Nature

A PREMIUM QUALITY EXTRACT of
EUROPEAN BLACK ELDERBERRY crafted using
A PROPRIETARY ULTRAFILTRATION PROCESS and
CLINICALLY PROVEN to SUPPORT IMMUNE
AND GUT HEALTH.

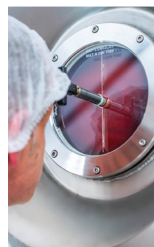


3 REASONS TO CHOOSE ELDERCRAFT[®]



1 HUMAN CLINICAL STUDIES

The berries of the black elder plant (*Sambucus nigra* L.) have been relied upon for centuries to manage cold and flu symptoms. Their efficacy in boosting the immune system to help the human body to be active against both bacteria and viruses is proven in numerous human clinical studies. New scientific findings confirmed its prebiotic effect by significantly increasing the human gut microbiome diversity and associated markers.



2 IPRONA POLYPHENOL TECHNOLOGY

The IPRONA Polyphenol Technology (IPT) is a proprietary extraction technique, compliant with all the highest known quality standards and strongly rooted in our core-belief that health comes through nature. For this reason, we treat our fruits gently and ensure that no solvents such as Methanol or Ethanol are used in the entire production process of our extracts. Ever.



3 FULLY CONTROLLED EUROPEAN SUPPLY CHAIN

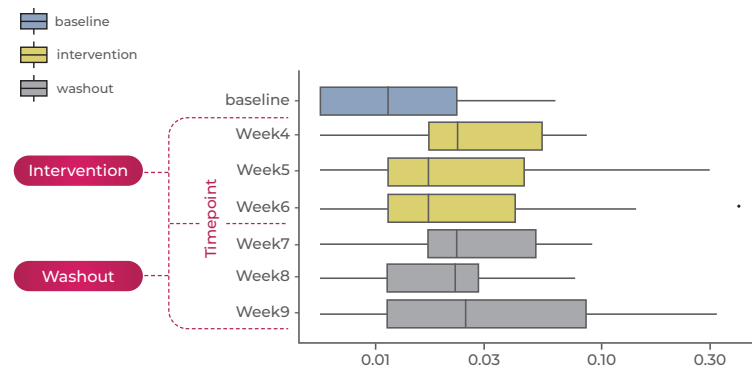
At IPRONA we pride ourselves not just on the unparalleled quality of our berries, which are critical to guarantee the high standards necessary for ingredients destined for the use in food supplements. We embrace the implementation of full traceability and sustainability. Therefore, we established a strong and solid partnership with a cooperative of Austrian elderberry farmers and created a vertically integrated European supply chain fully controlled by IPRONA, including storage and pre-processing.

HUMAN CLINICAL STUDIES

IN-VITRO STUDIES

SCIENTIFIC EVIDENCE ON GUT HEALTH

MICROBIOME STUDY



Reference



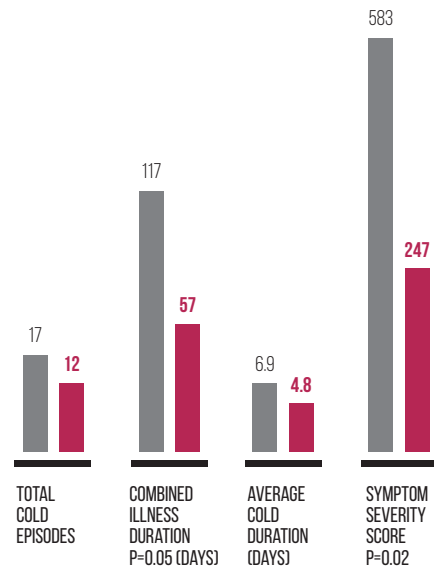
A new human clinical trial that involved 30 people has shown that a daily dose of **ElderCraft®** significantly **increases microbial diversity** in the human gut followed by quick stabilizing response. Interestingly the data also shows that the intervention led to a **significant increase of Akkermansia muciniphila during and after the intervention**. The study has **confirmed the prebiotic effects** of a polyphenol standardized black elderberry extract.

SCIENTIFIC EVIDENCE ON IMMUNE HEALTH

IMMUNITY STUDY



Legend: PLACEBO (grey), ELDERBERRY (red).



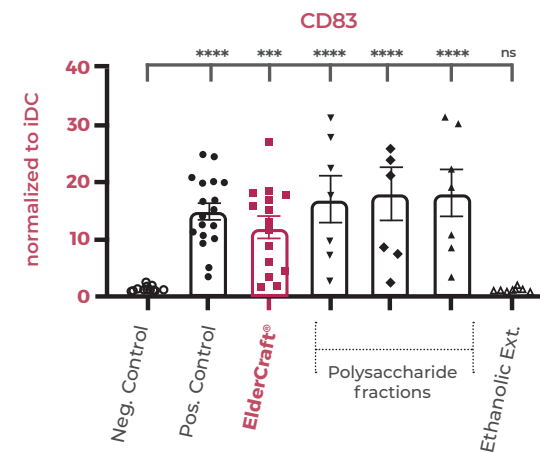
Reference



In a **human clinical study**, intercontinental air-travelers who were administered **ElderCraft®** experienced significant improvements during upper respiratory tract infections. The study showed a **significant reduction in sickness duration and severity**, together with a **decrease** in total number of **infections** compared to placebo.

POLYSACCHARIDES STUDIES

SCIENTIFIC EVIDENCE ON IMMUNE HEALTH



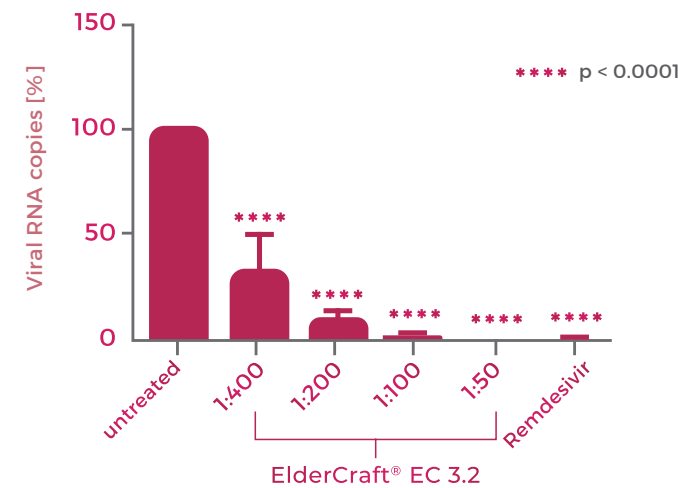
Reference



The results showed that **polysaccharides from black elderberry act as potent immunostimulants**. In comparison, ethanolic extracts low in polysaccharides **did not show this effect**. The researchers isolated polysaccharides from **ElderCraft®** and tested their effect on the maturation of dendritic cells and the induction of cytokines.

ANTI SARS-COV-2 STUDY

SCIENTIFIC EVIDENCE ON IMMUNE HEALTH



Reference



Inhibition of SARS-CoV-2 viral protein release (Vero B4 Cells)

ElderCraft® is highly effective against SARS-CoV-2 in vitro. The extract is **inhibiting the viral replication even at a dilution of 1:400**. A large therapeutic window (2-log₁₀) has been identified.



ElderCraft® is an advanced **botanical extract** manufactured in **Italy** using **Austrian Black Elderberries** of the variety 'Haschberg'. It is standardized to **anthocyanins** (up to 15%), **polyphenols** (up to 19%) and **elderberry fruit fibers** (up to 10%) and was subject to numerous **clinical studies** which have proven to support **immune** and **gut health** through various modes of action.



FUNCTION CLAIMS*

- Immunity**
 - Helps soothe a scratchy throat
 - Helps to relieve fever
 - Warming throat supplement
 - Helps maintain a healthy balanced gut flora
- Prebiotic**
 - Prebiotic effect
 - Helps support healthy fat and glucose levels in the body
 - Helps support a healthy weight management



CERTIFICATES

FSSC 22000, Non-GMO, Kosher, Halal, ISO 45001:2018, GMP Compliant, Organic available.



APPLICATIONS

Softgels, capsules, gummies, sachets, liquid supplements, effervescent tablets, tablets.

* These statements have been evaluated by Health Canada and the US-Food- and Drug-Administration. These products are not intended to diagnose, treat, cure or prevent any diseases. Please note that the physiological activity of the ingredients described herein are supported by the referenced clinical trial reports. Marketers of finished products containing these ingredients are responsible for determining whether the claims made for such products are lawful and in compliance with the laws of the country in which the products will be marketed.



IPRONA is a worldwide leader in technologically advanced fruit processing

Over the past four decades, our company has developed proprietary technologies and introduced innovative natural ingredients for the global nutraceutical market. Our product range includes concentrates, berry extracts, as well as infusions, compounds and food colorants. IPRONA is the original developer and manufacturer of **ElderCraft® European Black Elderberry Extract** and owns the exclusive rights to sell and market the brand worldwide.



RESPONSIBILITY

Through sincere communication, a fully controlled supply chain and standardized quality we assume full responsibility, putting the quality of our partners' products and their consumers' lives at the centre of attention.



CONTINUITY

In order to guarantee continuity of the quality of our products we standardize our products on various levels. Low staff turnover strengthens customer relationships and, being a family-owned business, we strive for sustainable approaches that ensure safety for our partners.



INNOVATION

Treating nature's treasures gently is critical to our company. The will to achieve this goal culminated in an exclusive technology that enables us to use natural processes to gain a premium product based on perfectly genuine raw materials.



INTEGRITY

We are authentic and proud of our moral principles. We uphold the highest standards of integrity in all our actions and all our relationships because we claim to be a first-choice partner – not only for our clients, but also our employees and suppliers.



QUALITY

We take only the best from nature in order to provide the best for our clients. Keeping the quality of our products and our service constantly high is key to long-term partnerships and therefore a significant part of our company strategy.



SUSTAINABILITY

Acting sustainable is crucial to the continuing success of any organization. We meet this challenge and want to contribute to a healthy world by reducing energy consumption, avoiding waste and finding new environmentally friendly solutions.

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