

## **SABINSA NEWS RELEASE**

### **SABINSA'S CURCUMIN C3 COMPLEX® WITH BIOPERINE® SHOWN TO IMPROVE CYTOKINE LEVELS**

**East Windsor, NJ (July 6, 2020)** – Sabinsa's Curcumin C3 Complex®, the #1 clinically studied curcumin brand on the market, is the subject of a recently published study on its effect, combined with BioPerine®, on serum cytokine concentrations. *Effects of supplementation with curcuminoids on serum adipokines in critically ill patients: a randomized double-blind placebo-controlled trial* was published in the peer-reviewed journal *Phytotherapy Research*.

In this clinical trial, researchers studied the effects of the administration of Curcumin C3 Complex and BioPerine in combination on the levels of the cytokines leptin and adiponectin in critically ill patients with traumatic brain injury (TBI). In a total of sixty-two patients, supplementation with 500 mg C3 Complex and 5 mg BioPerine daily showed a statistically significant decrease in the pro-inflammatory cytokine leptin in the treatment group compared with the placebo group.

While leptin is often associated with food intake and energy expenditure, its importance in aging conditions, serious illness, and stressful injuries is increasingly recognized.

Simultaneously the researchers also monitored the levels of the beneficial anti-inflammatory cytokine adiponectin. They commented that the increase in adiponectin did not reach statistical significance, presumably due to the short 7-day duration of this trial. They also pointed to other trial results in which longer durations of curcuminoids administration resulted in adiponectin level increases.

"We are happy to see the utility of C3 Complex with BioPerine in controlling the expression of cytokines in TBI patients," said Sabinsa Founder and Chairman Dr. Muhammed Majeed. "It is heartening to note that there were only benefits and no adverse side effects for this group of subjects, further attesting to our ingredient's safety."

The study may be accessed here: <https://doi.org/10.1002/ptr.6749>

#### **About Sabinsa**

Sabinsa, founded in 1988 by Dr. Muhammed Majeed, is a manufacturer and supplier of herbal extracts, cosmeceuticals, probiotics, minerals, and specialty fine chemicals. The company markets over 100 standardized botanical extracts and employs more than 1000 people worldwide in 12 manufacturing, R&D, sales, and distribution facilities. Process development and product innovation form the focus of the ongoing R&D efforts in the company's research facilities, located in India and the U.S. Products, many of which are both Kosher and Halal, are extensively researched, patented, and supported by hundreds of published clinical studies. Sabinsa's botanical cultivation program totals nearly 40,000 acres to ensure sustainable, fair trade materials are used in these ingredients. For more information, visit [sabinsa.com](http://sabinsa.com).

#### **Media Contact**

Suzanne Shelton

The Shelton Group  
[Suzanne@SheltonGroupPR.com](mailto:Suzanne@SheltonGroupPR.com)  
Cell: 847-922-5454