

## **KOHJIN Life Sciences has Published New Study on the Presence and Benefits of Glutathione for Sports Nutrition & Lipid Metabolism**

The most advanced study on KOHJIN Glutathione™ to date is published in the [Journal of the International Society of Sports Nutrition](#)

KOHJIN Life Sciences will be glad to inform valued customers that the new study on the benefits of KOHJIN Glutathione (GSH) for Sports Nutrition & Lipid Metabolism has published in the Journal of International Society of Sports Nutrition (JISSN) in February, 2015.

As informed last August, KOHJIN had presented at the 61st Annual Meeting of the American College of Sports Medicine (ACSM) in Orlando, Florida past May 2014, researchers from KOHJIN Life Sciences (Tokyo, Japan), Kyoto Prefectural University (Kyoto, Japan), Kyoto University (Kyoto, Japan), and the Karolinska Institutet (Stockholm, Sweden) presented a report on their laboratory and *in vivo* & human clinical studies that made them the first researchers ever to tip the balance to certainty in the matter of GSH's ability to restore muscular energy through oral intake and absorption; shining a brighter light on the tripeptide's significant role in maintaining good health, based on our human studies. The studies demonstrate, for the first time, mitochondrial biogenesis associated with the ingestion of a food product. They show that oral intake of GSH (KOHJIN Glutathione™, US FDA GRAS Notified GRN #000293, Kosher & Halal Certified) resulted in a PGC-1 $\alpha$ , Mitochondrial DNA and AMP activated-kinase expression in skeletal muscle, which can lead to acceleration of fatty acid utilization through activation of mitochondrial aerobic metabolism. These results show that GSH improves lipid metabolism and acidification in muscle during exercise, which leads to the decrease of muscle fatigue. For nearly a half century, KOHJIN Life Sciences, a wholly owned subsidiary of the Mitsubishi Corporation Life Sciences, has developed its reputation as the pioneer research group studying the benefits of GSH. The company's signature process of L-Glutathione production using Torula yeast, its quality, consistency, and multiple internationally recognized dietary certifications have all contributed to KOHJIN's Glutathione becoming the world's largest selling GSH, and KOHJIN one of the field's most trusted names. KOHJIN also hosted a seminar at 248th American Chemical Society (ACS) annual meeting in San Francisco to discuss these game-changing studies with published oral absorption data, which constitute the most significant news to reach the community about GSH since the earliest days of its

development.

In brief, though GSH has a long history as a natural supplement to improve liver function and skin whitening, no data has shown a significant increase of GSH being detected in human blood after oral ingestion, leaving the benefits of GSH supplementation in question. By following the path of protein conjugates in blood serum, KOHJIN Life Science's research was able, for the very first time, to demonstrate conclusively its increased presence in human blood plasma following ingestion. The implications of this study are both stunning and hugely encouraging to all those involved in the future of functional food supplementation.

Read the JISSN publication of KOHJIN Life Sciences Laboratories momentous study on [ <http://www.jissn.com/content/12/1/7> ].

And please visit [ <http://www.kohjinls.com/en/> ] to learn more.