



# LJ100®

40% Glyco Saponins  
22-28% EuryPeptides



## The History of *Eurycoma longifolia* ...

*Eurycoma longifolia* is a medicinal plant found in Southeast Asia. It is commonly called Tongkat Ali or Malaysian ginseng, and is traditionally used as a general health tonic, adaptogen, and "anti-aging" remedy to help older individuals adapt to the reduced energy, mood, and libido that often comes with age. Decoctions of Tongkat Ali roots have been used for centuries in Malaysia as an aphrodisiac for loss of sexual desire and function, as well as to treat a range of ailments including post-partum depression, malaria, high blood pressure, and fatigue.

In modern dietary supplements, Tongkat Ali can be found in a variety of products intended to improve libido and sexual function, restore hormonal balance (cortisol/testosterone levels), enhance sports performance, and weight loss, as well as improve physical and mental energy, and overall quality of life.

*Eurycoma longifolia* contains eurypeptides, a 30-39 long amino acid chain, 4300 dalton molecular weight, that are known to have effects in improving energy status and sex drive in clinical studies. Eurypeptides have been suggested as influencing the release of "free" testosterone from its binding hormone, sex hormone-binding-globulin (SHBG).

## Patented, Standardized, Clinically Tested & Proven ...

LJ100® is the only science-based *Eurycoma longifolia* extract, standardized to 40% Glyco Saponins, >22% Eurypeptides, 30% Polysaccharides, and Eurycomanone. MIT has clinically proven that Eurypeptides exert androgenic properties. Created by the original researchers at MIT and University of Malaya, this product has been shown in human clinical trials: an ability to increase energy, enhance sports performance, promote an anabolic state, and increase fat free mass. LJ100® is made from wild-crafted Tongkat Ali root from the rainforests of Malaysia. It is produced using a patented extraction technology, with a high temperature, high pressure, reverse osmosis water extraction method, ultra-filtration process, and freeze-dried technology, with no fillers. LJ100® is protected by a worldwide patent for treatment of sexual dysfunction and male infertility. (WO 02/17946 A1, US 7,132,117)

## Benefits of LJ100® ...

- **Maintains normal high free testosterone levels**
- **Enhances sports performance**
- **Enhances sexual function**
- **Promotes overall wellbeing and hormonal health**
- **Promotes anabolic state and reduce catabolic state**
- **Reduces stress and improve mood state**
- **Maintains healthy cortisol levels**
- **Supports healthy immunity**

## Mode of Action for Sport Nutrition ...

### Promotes Androgen Biosynthesis

The Bioactive Eurypeptides in LJ100® significantly activate the CYP17 enzyme (17  $\alpha$ -hydroxylase/17, 20 lyase), an enzyme involved in the early stage of steroid biosynthesis. In vitro studies show LJ100® increases testosterone and progesterone significantly by 180% and 190% respectively. Low amounts of pregnenolone also suggest that the Eurypeptides in LJ100® are actively converting pregnenolone to yield more DHEA, which is ultimately converted to testosterone.

