

# RHIZOMK®

## Overall Energy & Vitality

Clinically Evaluated



# MEN'S HEALTH

## INTRODUCTION

Testosterone deficiency is increasingly recognized as a significant health problem in men. It can adversely affect physical health, psychological health and libido. Consequently, the quality of life of men with low testosterone is negatively affected.

Healthy testosterone levels influence a broad range of men's health goals, from maintaining healthy libido to supporting optimal athletic performance. The maintenance of libido is a top health goal for at least 18 million men in the U.S. alone.

Nutrition plays a central role in adaptation, rehydration, refueling, and repair as well as recovery from injury and other problems. Testosterone supplementation may improve the testosterone level, which further improves the physical, libido and cognitive functions and improves mood and quality of life.

## SIGNS OF LOW TESTOSTERONE LEVELS

- ✓ Fatigue or decreased energy
- ✓ Low libido
- ✓ Depressed mood
- ✓ Increased body fat
- ✓ Loss of body hair

## BENEFITS OF HEALTHY TESTOSTERONE LEVELS

- ✓ Healthy heart & blood
- ✓ Less fat, more muscles
- ✓ Stronger bones
- ✓ Better libido- the essence of being a man
- ✓ Better sperm quality & quantity

## PEAK PERFORMANCE EVERYWHERE

RhizomK® is a precise & powerful cutting edge natural ingredient designed to support healthy testosterone levels. It has been devised exclusively for men over the age of 18, featuring curculigosides.

## ROLE OF RHIZOMK®

RhizomK® is an innovative and promising natural supplement that supports healthy testosterone levels. It is a unique and proprietary extract from Curculigo Orchioides. It helps in bettering immunity of the entire body, improves blood movement to all areas of the body, helps to improve stamina, vigor and tiredness.

It is ideal for a variety of men's health goals:

- ✓ Promotes healthy sexual function
- ✓ Maintains overall energy and vitality
- ✓ Promotes optimal athletic performance
- ✓ Supports healthy muscle development etc.

It improves the testosterone levels, which further improves the physical and cognitive functions and improves mood and quality of life. It is also an excellent remedy for male conditions including infertility, oligospermia and physical weakness.

## CLINICAL STUDY

An animal study was conducted to see whether 'Chronic administration of RhizomK®, a standardized Curculigo orchioides root (black museli) extract, promotes free testosterone level in male rats.

## BACKGROUND

Curculigo orchioides is a medicinal plant used for diverse medicinal purposes including impotency, aphrodisiac, diuretic, tonic, jaundice, and skin ailments for centuries. Phytochemical investigations of rhizomes revealed the presence of a novel phenolic glycoside, curculigoside, triterpenoid, saponins, flavones, cellulose, hemicellulose, and calcium oxalate. We developed a novel extract of Curculigo orchioides (RhizomK®, standardized to 30% curculigosides) and assessed its dose and time-dependent efficacy (0, 10, 25 and 50 mg/kg body weight p.o.) in male rats.

## METHOD

We assessed the body weight, serum free and total testosterone levels in male rats (200-230 g; n = 6) over a period of 28 consecutive days. Moreover, extensive histopathological analyses were conducted on the seminiferous tubules, spermatogenesis, sperm cell morphology, Leydig cells and Sertoli cells.

## RESULT

RhizomK® didn't cause any marked elevation in serum free testosterone levels at either 10 or 25 mg/kg body weight doses, however, a 50 mg/kg body weight dose showed a significant increase in serum free testosterone level (\*p<0.0001). However, no significant increases were observed in serum total testosterone levels at 0, 10, 25 or 50 mg/kg body weight doses of RhizomK®. Extensive testicular histopathological analyses including investigations on the seminiferous tubules, spermatogenesis, sperm cell morphology, Leydig cells and Sertoli cells following treatment with either 0, 10, 25 or 50 mg/kg body weight doses of RhizomK® were conducted. Results demonstrated dose-dependent improvement in structural integrity. No significant changes were observed in serum SGOT, SGPT, BUN and creatinine levels following treatment with any of the above doses, which demonstrated the broad spectrum safety of RhizomK®.

## TOTAL AND FREE TESTOSTERONE LEVELS

	Total testosterone (pg/mL)	Free testosterone (pg/L)
Normal control	374.04±86.27	439.19±19.80
10 mg/kg	379.45±10.98	487.28±29.44
25 mg/kg	344.45±26.57	497.28±44.45
50 mg/kg	310.70±18.49	715.14±33.00***

## **CONCLUSION**

The present study demonstrates that RhizomK® may serve as a safe and novel, natural free testosterone booster and provide broad spectrum applications in sports nutrition, muscle building and exercise pathophysiology.

**For more information, visit [www.chereso.net](http://www.chereso.net) or email us at [customercare@chereso.net](mailto:customercare@chereso.net)**