

# ThymoQuin<sup>®</sup>

## The Gold Standard of Black Seed Oil



The Only Patented USP-Grade, Full-Spectrum, Cold Pressed Black Seed Oil on the Market Standardized to 3% Thymoquinone and Low (<2%) Free Fatty Acids.†

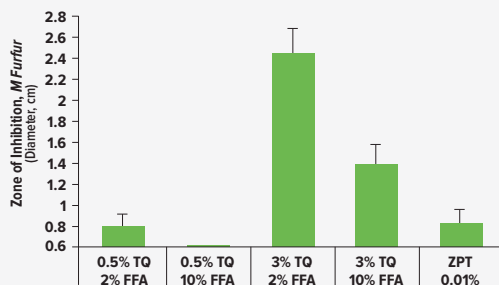
- Back integrated to raw material
- Complete sustainability and traceability in one location
- Meets Self-Affirmed GRAS and European Novel Non Food Certification Standards
- Complies with global regulations  
 (Contact TriNutra for further information)

### Superior Quality Unique Features

- Enhances mitochondrial functions and upregulates mitochondrial biogenesis†
- Improves ATP production and cellular respiration†
- Supports optimal metabolic health (liver function, blood pressure, insulin response, blood glucose levels)†
- Promotes optimal skin health†
- Natural immune modulator†
- Reduces stress and modulates salivary cortisol in athletes†
- Promotes a healthy microbiome via inhibitory effect on a variety of microorganisms: (*Malassezia furfur*, *Candida albicans*, *Staphylococcus aureus*, Influenza A (H1N1) virus)†
- Modulates inflammation synergistically with other actives† (Omega-3, Pycnogenol, Vitamin D, Astaxanthin, Lycopene, Lutein)

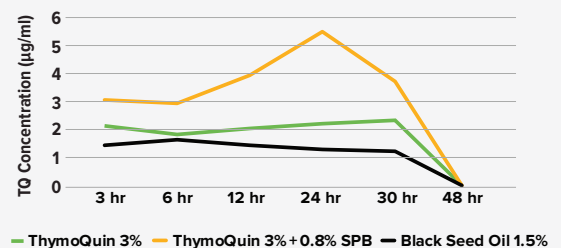
### Full Spectrum and Standardised 3% Thymoquinone & <2% Free Fatty Acids

Thymoquinone and Free Fatty Acid Concentrations vs. Growth Inhibition of the Fungus *M. furfur*†

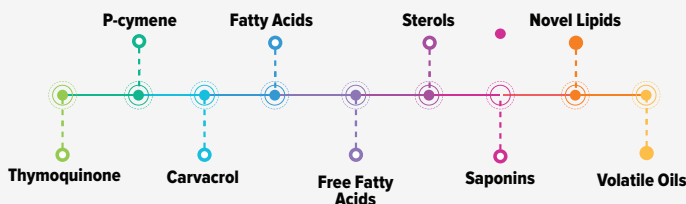


### Standardisation, Bioavailability & Stability 3% Thymoquinone, <2% FFA & Sunflower Proprietary Blend

Thymoquinone Bioavailability



### ThymoQuin Full Spectrum Phytochemical Compounds



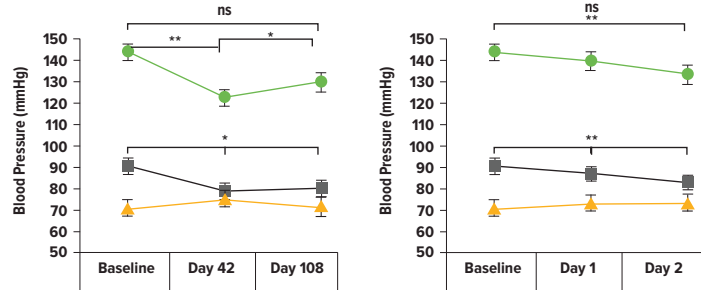
# CLINICAL TRIALS RESEARCH

## ThymoQuin

### Benefits of ThymoQuin Alone

- Improvement in fasting glucose<sup>†</sup>
- Decrease in LDL-C and oxidized LDL/HDL<sup>†</sup>
- Maintains healthy blood pressure<sup>†</sup>
- Decreased hepatic fat (Supports healthy liver function)<sup>†</sup>

### Effects of Six Weeks Standardized Black Seed Oil on Blood Pressure and Heart Rate in Healthy Humans

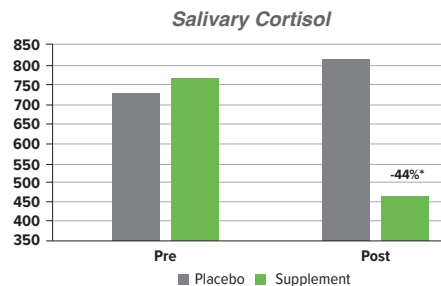


Resting BP and pulse were measured once daily. Treatment with ThymoQuin was given to all subjects from Day 1 to 42. Washout between Days 43-66 followed by placebo administration. Average (±SEM) of subjects that did not take additional drugs. \*\*P<0.01, \*P<0.05, paired two-tailed t-test between marked data points.

Bradley Bush, Teresa Peña, Rebecca Bush, et al. Effects of Standardized Black Seed Oil Cold Press Supplement Over A Six Week Period on Blood Pressure and Heart Rate in Healthy Patients: A Nonrandomized Clinical Trial. *Food Sci Nutr Res.* 2020; 3(1): 1-5.

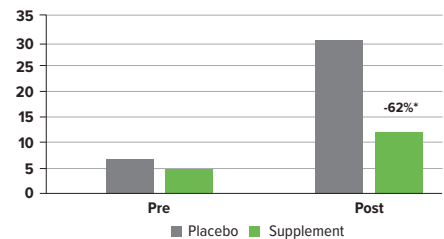
## Natural Immune Modulators and Psychological Mood States

**SAVLIVARY CORTISOL**  
Cortisol is the major stress hormone, actively involved in modulating multiple physiological functions, including metabolism, blood pressure, inflammation, and immune function.



Subjects in the ThymoQuin group had significantly lower salivary cortisol (ng/ml) compared to placebo. (\*significantly different from post-supplementation placebo value p<0.05)

### Upper Respiratory Tract Complaints (URTCs)



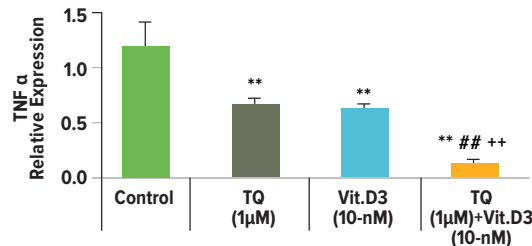
Subjects in the ThymoQuin group had significantly fewer self-reported upper respiratory tract complaints (URTCs) compared to placebo. (\*significantly different from post-supplementation placebo value p<0.05)

Talbott SM, Talbott JA, et al. Effect of ThymoQuin Black Cumin Seed Oil as a Natural Immune Modulator of Upper-Respiratory Tract Complaints and Psychological Mood State. *Food Sci Nutr Res.* 2022; 5(1): 1-6.

## Demonstrated Synergies

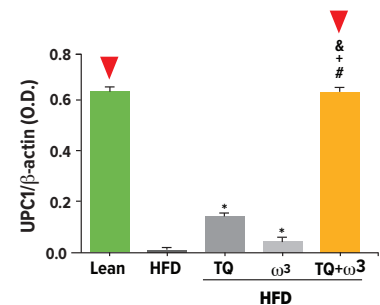
- ✓ Omega-3 with ThymoQuin
- ✓ Vitamin D with ThymoQuin
- ✓ CBD/Hemp Oil with ThymoQuin
- ✓ Astaxanthin with ThymoQuin
- ✓ β-Carotene with ThymoQuin
- ✓ Lutein with ThymoQuin
- ✓ Pycnogenol with ThymoQuin

### Synergistic Combination ThymoQuin + Vitamin D3



Licari M, Raffaele M, Rosman Z, et al., *J Nutr Food Sci* 2019, 9:1

### Effect of TQ and Omega-3 on UCP1 expression in the liver of high fat diet mice



Synergistic Combination of ThymoQuin + Omega-3 significantly upregulated UCP1 expression in HFD mice. Comparable to a lean diet

<sup>†</sup>These statements have not been evaluated by the Food and Drug Administration. These products are not intended to diagnose, treat, cure or prevent any disease.