

OptimaTM

IMMUNA

Food For Special Dietary Use



400g Tin Can

Critical Care

High Protein

Immune Support

Features, Advantages & Benefits

❖ Key Features

Immune-Modulating Botanicals

Nigella Sativa (Black Seed), Curcumin, Panax Ginseng & Garlic for natural immune support.

High Vitamin C Content

720mg Vitamin C per 100g (900% DV) - powerful antioxidant for immune cell function.

Complete Antioxidant Profile

Vitamins A, C, E, Selenium & Zinc to combat oxidative stress during illness.

High Quality Protein

22g casein protein per 100g to support immune cell production and tissue repair.

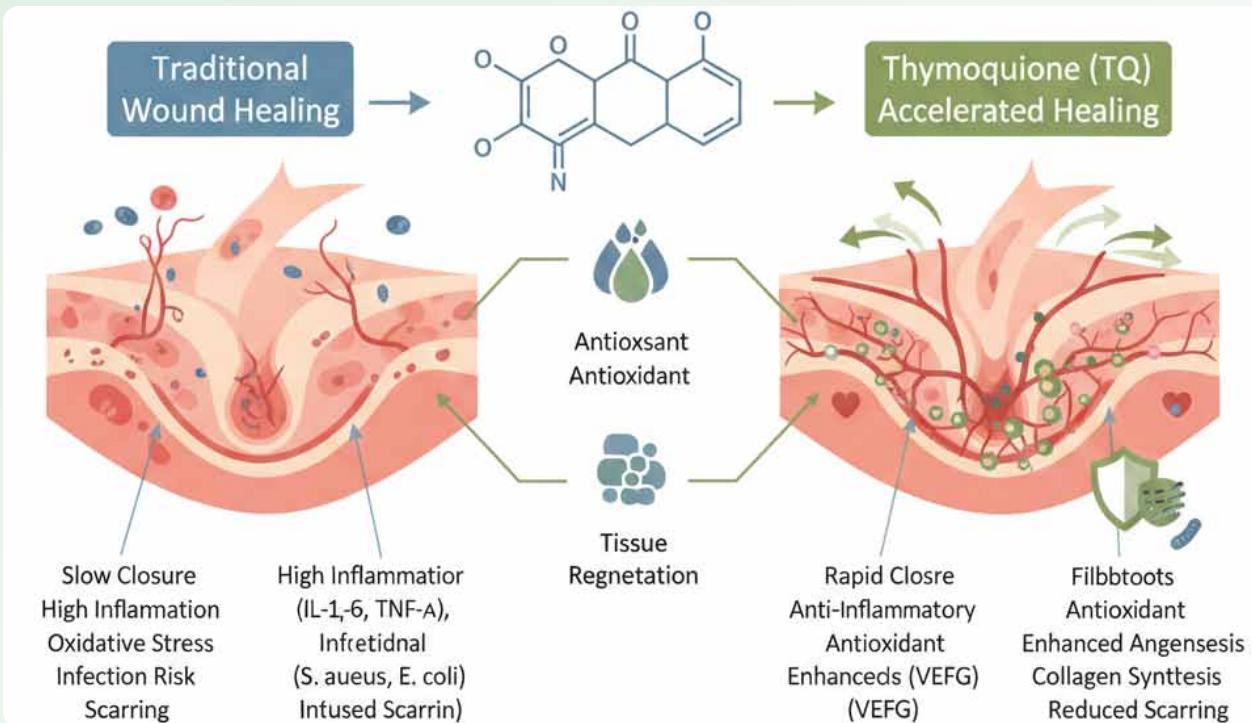
⌚ Indications for Use

- ✓ **ICU & Critically Ill Patients** - Complete nutrition with immune system support
- ✓ **Post-Surgery & Trauma Recovery** - Supports wound healing and immune function
- ✓ **Chemotherapy Patients** - Nutritional supplementation during cancer treatment
- ✓ **Cardiac & Compromised Immunity** - Enhanced immune support for vulnerable patients

≡ Key Nutritional Facts (Per 100g)

| Nutrient | Amount | % DV | Nutrient | Amount | % DV |
|---------------|--------|------|-----------|---------|------|
| Calories | 450 | - | Vitamin C | 720mg | 900% |
| Total Fat | 17g | 22% | Vitamin D | 15mcg | 80% |
| Protein | 22g | 44% | Zinc | 10.97mg | 100% |
| Dietary Fiber | 22g | 79% | Selenium | 60mcg | 150% |

Clinical Evidence & Research



Clinical Study Summary: Thymoquinone Accelerates Wound Healing

Study Overview: This review explores how thymoquinone (TQ), the primary bioactive compound in *Nigella sativa* (black cumin), accelerates wound healing. TQ is recognized for its antimicrobial, anti-inflammatory, antioxidant, and anti-diabetic properties.

Mechanisms: TQ reduces pro-inflammatory cytokines (IL-1, IL-6, TNF- α) and suppresses NF- κ B signaling. It neutralizes reactive oxygen species (ROS), increases SOD and glutathione peroxidase expression, and exhibits significant antibacterial activity against *S. aureus*, *E. coli*, and *P. aeruginosa*.

Key Findings: TQ stimulates fibroblast proliferation, increases collagen synthesis, and enhances angiogenesis through VEGF secretion. A Phase 1 trial showed no serious adverse effects at 200 mg/day. Meta-analysis of 14 RCTs confirmed *N. sativa* products significantly improve symptoms of psoriasis, eczema, and acne.

Conclusion: Strong evidence supports TQ as an effective agent for promoting wound repair by targeting cellular and molecular pathways in all four stages of healing: hemostasis, inflammation, proliferation, and remodeling.

Reference: *Curr. Issues Mol. Biol.* 2023, 45, 9039–9059 | DOI: 10.3390/cimb45110567

Ready to Experience Optima Immuna?

Request a free sample today and discover how Optima Immuna can support your patients' immune health.

Request a Sample



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Product Information

| FORMAT | FLAVOR | PRODUCT CODE |
|------------------|---------------|---------------|
| 400g Tin Can | Natural | 0788792139831 |
| SERVINGS | SERVING SIZE | UNITS/CARTON |
| 10 per Container | 40g (5-6 tsp) | 4 |



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This product is not intended to diagnose, treat, cure, or prevent any disease.