

# Nutricaa

# OPTIMA IMMUNA

Immune Support Formula



400g Tin Can

Critical Care

Post-Surgery

Chemotherapy 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 Supporting Ingredients

### 🌿 Immune Botanicals

**Nigella Sativa (Black Seed):** Traditional herb with Thymoquinone that supports immune cell function and wound healing.

**Curcumin (Turmeric):** Powerful anti-inflammatory and antioxidant compound for immune modulation.

**Panax Ginseng:** Adaptogenic herb supporting immune function, vitality, and stress response.

### 🛡️ Antioxidant Power

**Vitamin C (720mg):** 900% DV - Powerful antioxidant essential for immune cell function and tissue repair.

**Selenium (60mcg):** 150% DV - Critical for antioxidant enzymes and immune defense.

**Zinc (10.97mg):** 100% DV - Essential for immune cell development and wound healing.

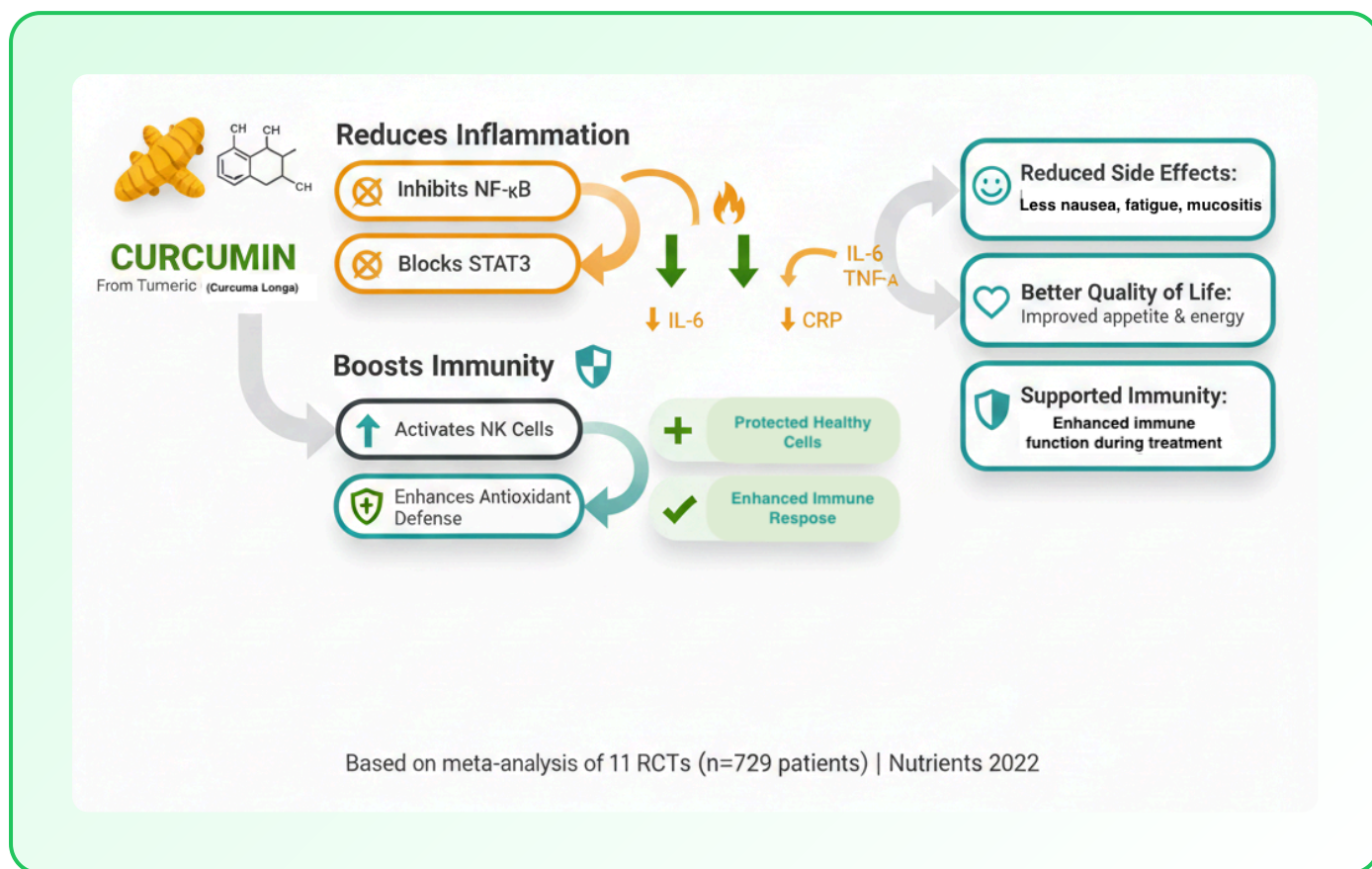
### 🏥 Critical Care

**Casein Protein (22g):** High-quality protein supporting immune cell production and tissue repair.

**Allium Sativum (Garlic):** Natural antimicrobial with cardiovascular and immune benefits.

**Ginkgo Biloba:** Enhances circulation and provides additional antioxidant support.

# Clinical Evidence & Research



## Clinical Study Summary: Curcumin Supplementation During Chemotherapy

**Study Overview:** This systematic review and meta-analysis evaluates the effects of curcumin supplementation on quality of life, inflammatory markers, and immune function in cancer patients undergoing chemotherapy. Curcumin, the primary bioactive compound in turmeric, has demonstrated potent anti-inflammatory, antioxidant, and immunomodulatory properties.

**Mechanisms:** Curcumin modulates NF- $\kappa$ B and STAT3 signaling pathways, reduces pro-inflammatory cytokines (IL-6, TNF- $\alpha$ , CRP), enhances natural killer (NK) cell activity, and protects healthy cells from chemotherapy-induced oxidative damage while sensitizing cancer cells to treatment.

**Key Findings:** Meta-analysis of 11 RCTs (n=729 patients) showed curcumin supplementation significantly reduced serum IL-6 (SMD: -0.71,  $p < 0.001$ ) and CRP levels (SMD: -0.54,  $p = 0.003$ ). Patients reported improved quality of life scores, reduced fatigue, and better appetite. Curcumin also reduced chemotherapy-induced nausea, mucositis, and dermatitis in multiple trials.

**Conclusion:** Curcumin supplementation is a safe and effective adjuvant therapy for cancer patients undergoing chemotherapy, improving quality of life, reducing inflammation, and supporting immune function without interfering with cancer treatment efficacy.

**Reference:** *Nutrients* 2022, 14(10), 2092 | DOI: 10.3390/nu14102092

# Optima Immuna - Product Information

Advanced Immune & Critical Care Nutrition with Natural Botanicals

## INDICATIONS

- ICU & Critically Ill Patients
- Post-Surgery & Trauma Recovery
- Chemotherapy Support
- Cardiac & Compromised Immunity
- Wound Healing Support

## INGREDIENTS

Extracted Sesame, Casein Protein, Sucrose, Nigella Sativa, Allium Sativum Extract, Panax Ginseng Root Extract, Ginkgo Biloba Leaf Extract, Curcumin, Gum Arabic (INS-414), Ascorbic Acid (INS-300), Calcium Phosphate (INS-341), Magnesium Carbonate (INS-504), Ferric Ammonium Citrate, Vitamin A Concentrate (INS-951), Sodium Bicarbonate (INS-500), Carboxymethyl Cellulose (INS-466), Xanthan (INS-415), Pink Salt, BHT (INS-321)

## NUTRITIONAL FACTS (PER 100G)

Nutrient	Amount	Nutrient	Amount
Energy	450 kcal	Vitamin C	720mg (900%)
Protein	22g (44%)	Vitamin E	33.9mg (360%)
Total Fat	17g (22%)	Vitamin D	15mcg (80%)
Saturated Fat	3.22g (16%)	Vitamin B12	100mcg (3333%)
Carbohydrates	52g (19%)	Thiamin (B1)	24.88mg (2070%)
Dietary Fiber	22g (79%)	Riboflavin (B2)	5.96mg (460%)
Total Sugars	20g	Vitamin B6	5.8mg (400%)
Calcium	571mg (70%)	Selenium	60mcg (150%)
Magnesium	562mg (140%)	Zinc	10.97mg (100%)
Iron	138mg (26%)	Manganese	5.0mg (220%)
Sodium	480mg (21%)	Potassium	120mg (4%)

## PREPARATION INSTRUCTIONS

Take 5~ heaped teaspoons (40g) of powder in a cup/mug. Add 160ml of normal water or lukewarm milk. Stir or shake well until powder mixes completely. Take promptly after preparation. Do not dissolve in hot water.

1

Take 40g powder

2

Add 160ml water/milk

3

Stir 40-50 sec

## PRODUCT DETAILS

FORMAT

400g Tin

FLAVOR

Natural

SERVINGS

10/Container

SERVING SIZE

40g (5 ~ tsp)

UNITS/CARTON

4

PRODUCT CODE

0788792139824

## QUALITY & SAFETY TESTING

- ✓ Heavy Metal Tested
- ✓ Toxin Tested
- ✓ Microbiology Tested
- ✓ Naturally Flavored



BCSIR Tested

## Ready to Experience Optima Immuna?

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

[Request a Sample](#)

## ⚠️ ALLERGEN & CAUTIONS

Avoid taking Optima Immuna if you are allergic to any of its ingredients. The product is manufactured in a facility that processes milk, soy and other products. Not for injection. Not recommended for children under the age of 5 years without professional advice. Pregnant and breastfeeding mothers should consult a professional before taking Optima Immuna.



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# Nutricaa

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