

# Autophagy & Parasite Removal: Cellular Cleansing Formula

A dual-action formula designed to **promote deep cellular cleansing while supporting the elimination of unwanted organisms.** This comprehensive solution combines powerful autophagy activators, antiparasitic botanicals, and mitochondrial nutrients to support immune vigilance, gut integrity, and metabolic resilience.

# Key Benefits

1

## Cellular Repair

Stimulates cellular repair, mitophagy, and autophagic renewal through resveratrol, curcumin, spermidine, and alpha-lipoic acid

2

## Parasite Elimination

Supports healthy parasite elimination with traditional botanicals like wormwood, black walnut, clove, and neem

3

## Gut Detox

Enhances gut detox and biofilm clearing with oregano, garlic, pomegranate, and berberine

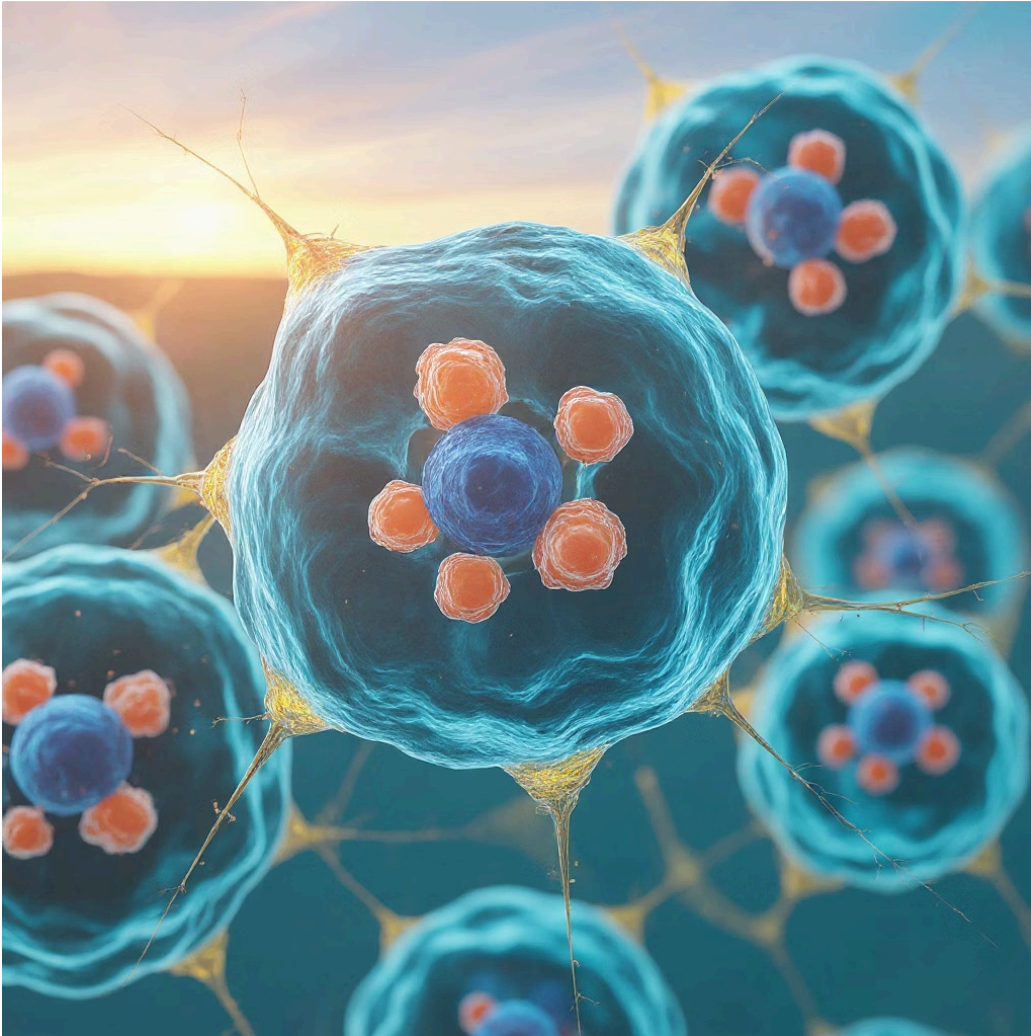
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## Detoxification

Promotes liver and lymph detoxification with chlorella, broccoli, schisandra, and graviola

Additional benefits include mitochondrial support with CoQ10 and L-carnitine, oxidative stress protection with antioxidants, improved digestion with ginger and black pepper, and immune resilience support with Rhodiola and reishi.

# What Makes This Formula Unique



## **Integrated Approach**

Combines deep cellular renewal with traditional parasite-cleansing herbs in one comprehensive formula

## **Multi-Pathway Activation**

Targets AMPK, SIRT1, mTOR, and NRF2 signaling to support cell cleanup, immune activation, and metabolic clarity

## **Broad-Spectrum Botanicals**

Includes more than 20 antiparasitic and detox-supportive plants for comprehensive support

# Stage 1: Immediate Effects (0-6 Hours)



## Initiation of Autophagy

Activation of AMPK pathways begins the cellular cleanup process

- Curcumin and Resveratrol activate SIRT1 and AMPK pathways
- Berberine inhibits mTOR signaling, promoting autophagy
- Green Tea (EGCG) enhances autophagic flux



## Parasite Disruption

Antiparasitic compounds begin to affect parasite metabolism and motility

- Wormwood and Black Walnut expel intestinal parasites
- Garlic and Onion disrupt parasite membranes
- Clove and Anise target parasite eggs



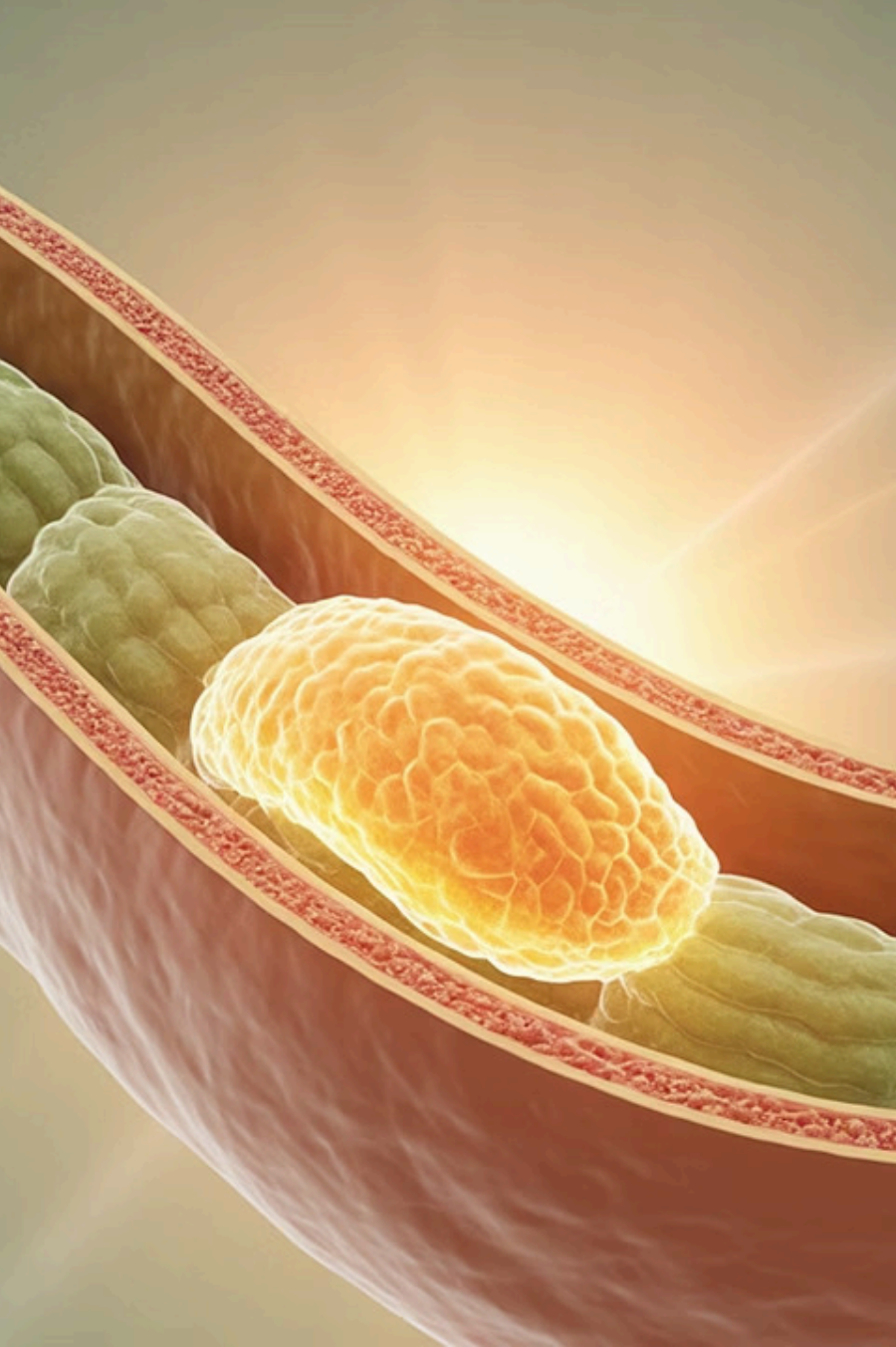
## Digestive Enhancement

Preparation of the digestive system for toxin elimination

- Ginger and Galangal stimulate digestive enzymes
- Black Pepper enhances bioavailability of other compounds

Recommended dosage: 4 per day (2 Morning, 2 Night)





# Stage 2-3: Sustained Effects (6 Hours to Weeks)

1

## 6-24 Hours: Cellular Repair

Enhancement of cellular repair mechanisms, continued parasite eradication, and mitochondrial support

- Astaxanthin and Quercetin provide antioxidant protection
- Chlorella binds to toxins released during parasite die-off
- L-Carnitine and CoQ10 enhance mitochondrial energy production

2

## Days to Weeks: Gut Restoration

Repair of intestinal lining, modulation of immune responses, and support for neurological functions

- Bacopa and Rhodiola support cognitive function and stress resilience
- Schisandra and Notoginseng modulate immune responses
- Glutamine and L-Arginine support intestinal barrier integrity

# Stage 4: Long-Term Benefits (Weeks to Months)

## Maintenance of Cellular Homeostasis

Sustained autophagy prevents accumulation of damaged proteins and supports ongoing cellular health

- Spermidine and Octacosanol promote autophagy
- Fisetin and NAD activate sirtuin pathways

## Prevention of Reinfection

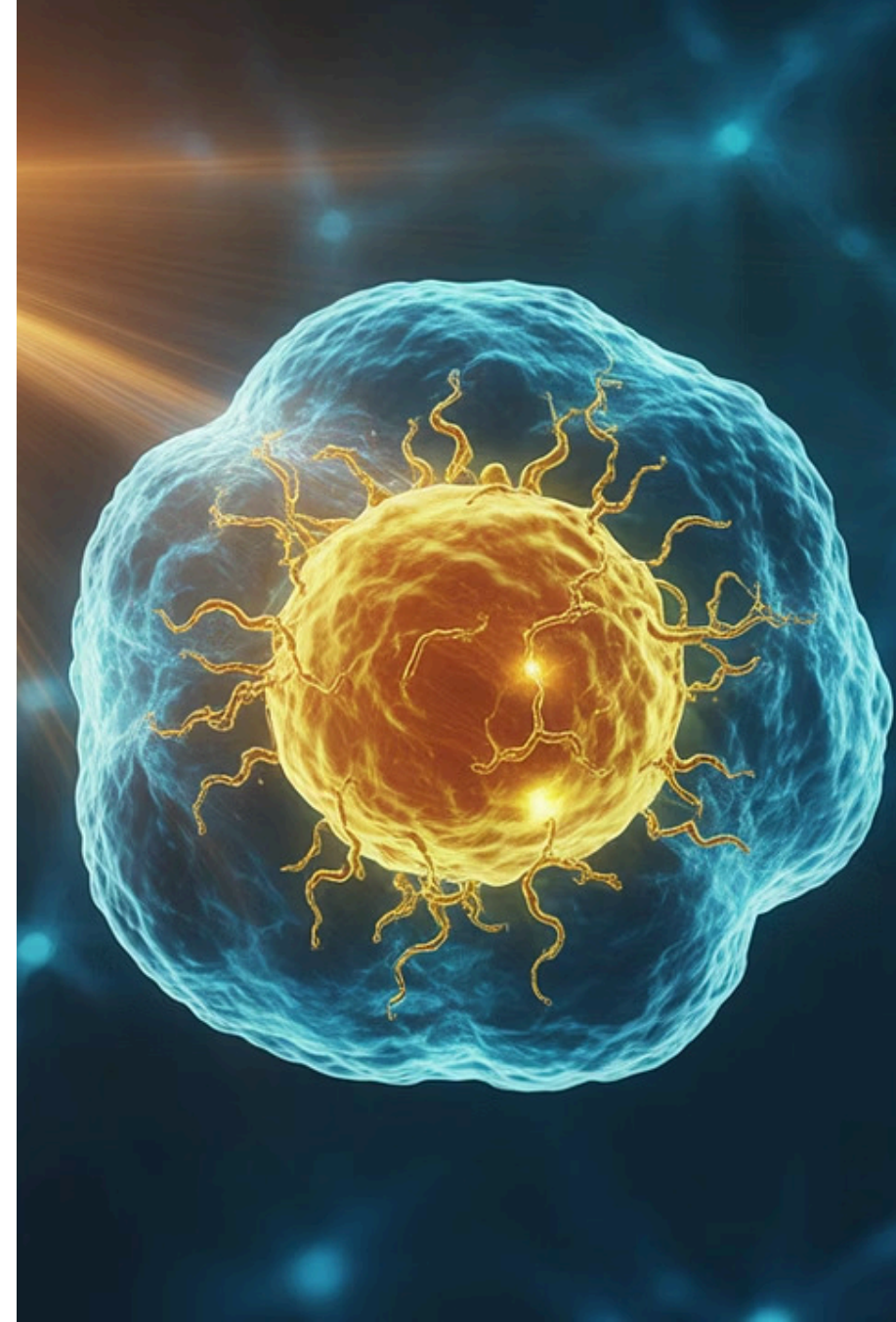
Reinforcement of immune defenses against future parasitic infections

- Moringa and Neem Leaf provide antimicrobial support
- Vitamins D, K, and A support immune function

## Support for Healthy Aging

Promotion of metabolic health and longevity pathways

- MCT and Raspberry Ketones support metabolic flexibility
- Boron and Betaine support methylation processes



# Scientific Support

## **AMPK Activation and Autophagy**

Research shows that AMPK activators like resveratrol enhance autophagy and cellular cleanup processes. Studies indicate that resveratrol activates AMPK, leading to increased autophagy and cellular health benefits (Park et al., 2016).

## **Traditional Antiparasitic Herbs**

Wormwood contains artemisinin, which damages parasite membranes. Black walnut's juglone exhibits anthelmintic properties by paralyzing parasites. Clove contains eugenol, which disrupts biofilm formation (Khadtare et al., 2024).

## **Mitochondrial Support**

L-carnitine, CoQ10, and alpha-lipoic acid enhance cellular energy production during stress periods. These cofactors support mitochondrial function, which is essential for maintaining energy homeostasis (Virmani & Cirulli, 2022).

# Competitive Advantage

## Comprehensive & Synergistic

70+ ingredients targeting cellular, parasitic, and immune axes in one formula, compared to competitors' compartmentalized approach

## Advanced Bioavailability

Enzymes, oils, and thermogenic ingredients enhance absorption, while competitors lack delivery systems

## Restorative Nutrition

Includes antioxidants, adaptogens, mitochondrial agents, amino acids, and minerals for complete support

For comprehensive parasite detox and long-term cell health, this formula **provides deep, layered support spanning parasite cleansing, autophagy, and cellular rejuvenation with an integrative design and delivery sophistication that competitors lack.**