

IMMUNO-BIOME LIFESPAN

Re-engineering the Gut–Immuno–Endocrine Axis
for Lifespan Resilience

A Next-Generation Systems Biology Platform by HellaWell

TARGET AUDIENCE • Women across all adult life stages (20s–80s+) seeking root-cause immune, gut, and hormonal longevity.



IMMUNE



GUT BARRIER



ESTROBOLEME

Moving beyond reactive probiotics & temporary symptom masking

TRADITIONAL GUT & IMMUNE CARE

Reactive. Temporary. Isolated.

- **Fragile CFU Numbers:** High-dose live probiotics die in stomach acid before reaching the gut.
- **Symptom Amelioration:** Temporary, reactive fixes for bloat or seasonal immune dips.
- **Isolated Physiology:** Ignores the profound connection between gut health and female sex hormones.

FROM SYMPTOM MANAGEMENT

IMMUNO-BIOME LIFESPAN PARADIGM

Stable. Foundational. Integrated.

- **Acid-Proof Signaling:** Heat-stable immunobiotics and spore-forming commensals for guaranteed delivery.
- **Root-Cause Rewiring:** Rebuilds physical mucin layers, seals tight junctions, and restores Secretory IgA (sIgA).
- **Tri-Axis Integration:** Calibrates the Gut–Immune–Estrobolome axis through PMS, postpartum shifts, perimenopause, and menopause.

TO LIFESPAN RESILIENCE

Three layers target immune signaling, barrier integrity and the estrobolome

01

LAYER 01

IMMUNO-POSTBIOTICS & PARAPROBIOTICS

KEY ACTIVES

L. plantarum (HK L-137)
B. lactis postbiotic metabolites

MECHANISM

Acts on gut-associated lymphoid tissue (GALT) to stimulate Secretory IgA (sIgA) mucosal immunity, re-training dendritic cells and downregulating chronic systemic inflammation.

02

LAYER 02

MUCOSAL ARCHITECTURE & TIGHT JUNCTION MATRIX

KEY ACTIVES

Zinc L-carnosine
D-glucosamine sulfate
Tremella mushroom

MECHANISM

Tremella glucans and Zinc L-carnosine repair intestinal tight-junction proteins (ZO-1, Occludin) and rebuild protective mucin (MUC2) layers to halt bacterial LPS endotoxemia at the source.

03

LAYER 03

ESTROBOLOME-SUPPORTIVE SPORE BIOTICS & PHYTO-PREBIOTICS

KEY ACTIVES

B. coagulans +
B. subtilis HU58
Pomegranate peel
ellagitannins

MECHANISM

Acid-resistant spore endospores generate SCFAs while pomegranate ellagitannins yield Urolithin A for mitochondrial repair and balance gut β -glucuronidase to optimize estrogen detoxification.

Designed to support women through distinct adult life stages

20s–30s

REPRODUCTIVE & EARLY ADULT YEARS

- **Estrobolome Clearance:** Prevents reabsorption of unbound estrogens, reducing PMS, PMOS-related dysbiosis, and estrogen dominance.
- **Microbial Resiliency:** Counteracts gut microflora disruptions caused by oral contraceptives, stress, or dietary triggers.

40s–80s+

PERIMENOPAUSE, MENOPAUSE & BEYOND

- **Mucosal Preservation:** Rebuilds waning mucosal barriers and systemic sIgA levels as declining estrogen weakens tissue hydration and gut lining integrity.
- **Mitochondrial & Cellular Longevity:** Drives Urolithin A pathways to clear senescent debris and maintain systemic immune surveillance.

ONE PLATFORM • TWO LIFE-STAGE PRIORITIES • CONTINUOUS SUPPORT

One synergistic daily protocol can build lifetime brand value

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CONSOLIDATED 3-IN-1 DAILY PROTOCOL

Replaces fragmented supplement routines with one synergistic daily protocol:

- ⊗ High-CFU probiotic pills
- ⊗ Glutamine barrier powders
- ⊗ Immune-support capsules

LIFETIME

UNMATCHED LIFETIME VALUE (LTV)

Solves root-cause systemic issues across every major life transition:

- Gut sensitivity & bloating
- Hormonal breakouts & PMS
- Seasonal immune burnout

Creates multi-year brand loyalty throughout a woman's entire adult lifespan.

SUPPLEMENT FACTS

Serving Size: 2 Veggie Capsules Servings Per Container: 30	Amount Per Serving	% DV
Zinc (from 75 mg Zinc L-Carnosine Complex)	16 mg	145%
Tri-Axis Immuno-Biome Complex™	1,120 mg	*
Postbiotic & Paraprobiotic Defense Matrix		
Lactobacillus plantarum HK L-137 (Paraprobiotic)	50 mg	*
Bifidobacterium lactis Postbiotic Metabolites	100 mg	*
Organic Tremella Mushroom Extract (30% Beta-Glucans)	200 mg	*
Mucosal & Tight Junction Barrier Matrix		
D-Glucosamine Sulfate Potassium Chloride	250 mg	*
L-Carnosine (from 75 mg Zinc L-Carnosine Complex)	59 mg	*
Estrobolome & Spore Bio-Renewal Matrix		
Pomegranate Peel Extract (40% Ellagitannins)	250 mg	*
Spore-Forming Commensal Complex (5 Billion CFU)	211 mg	*
(Bacillus coagulans & Bacillus subtilis HU58)		

* Daily Value (DV) not established.