

Lactobacillus johnsonii LBJ 456®

- Anti-inflammatory
- Antioxidative stress
- Reduce genotoxicity
- Postpone onset of cancer

Basic Information ●●

Origin: isolated from mammalian animal

China Culture Deposit No.: CCTCC M20191013

Type: probiotics, postbiotics, allergen-free

Potency: 500 billion CFU/g

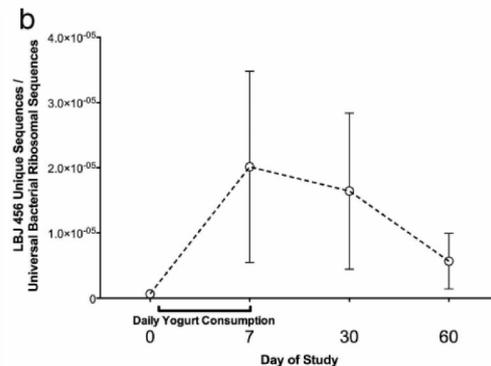
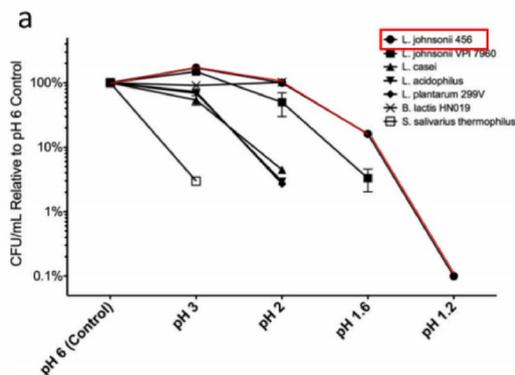
Safety Assessment ●●

Non-GMO, no hemolytic activity

No toxic, mutagenic or genotoxic effects at all doses tested in acute and subacute oral toxicity studies.

Tolerance and Colonization ●●

LBJ456® shows exceptional resistance to gastric acid and long-term(60 days) colonization in the human gut .



Great Safety
Less safety concerns



Balance Gut Microbiota
Modify composition of gut microbiota



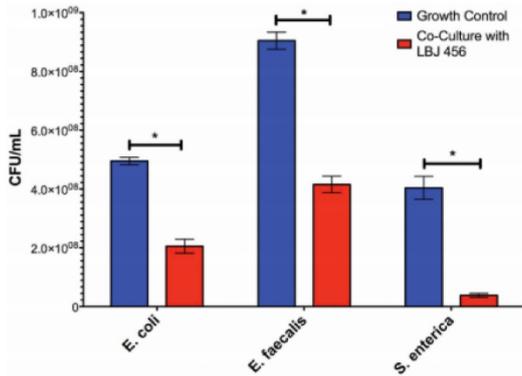
Long-Term Efficacy
Great stability and colonization



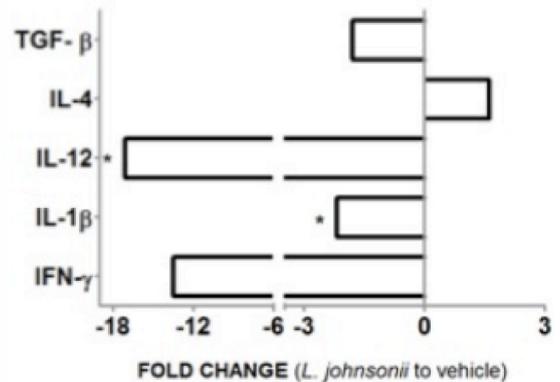
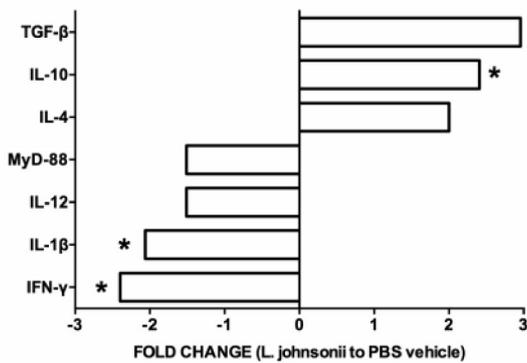
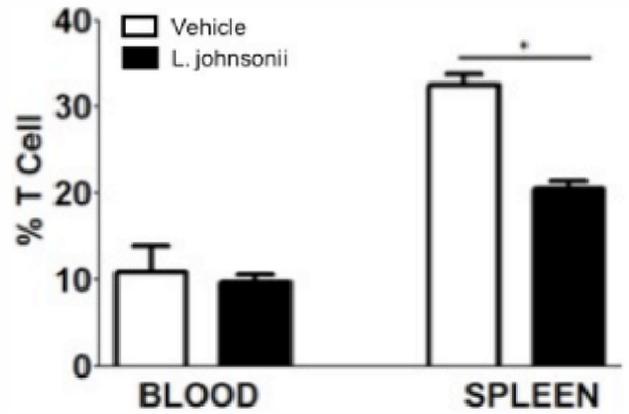
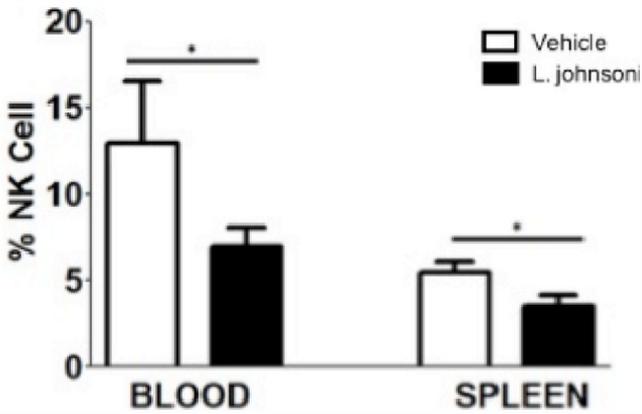
Formulation Flexibility
Capsule, tablet, powder, gummies

Anti-inflammatory Probiotics ●●

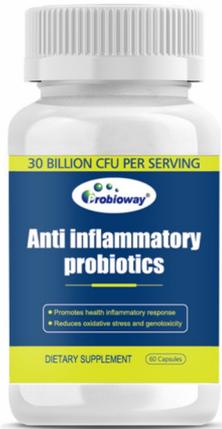
- LBJ 456[®] and its supernatant significantly inhibited pathogen growth, indicating its potential role in mitigating the risk of inflammation induced by these pathogens.
- Oral administration of LBJ 456[®] could reduce the levels of NK and T cells in blood and spleen.
- LBJ 456[®] treatment significantly reduced levels of the pro-inflammatory cytokines IL-1 β and IFN- γ , and elevated the levels of the anti-inflammatory cytokines TGF- β and IL-10.



Pathogens	Treatment	Inhibition rate(%)
<i>E. faecalis</i>	LBJ 456 [®] supernatant	50%
<i>S. enterica</i>	LBJ 456 [®] supernatant	100%



Anti-inflammatory Probiotics



Supplement Facts

Serving Size: 1 vegetarian capsule	
Servings Per Container: 60	
Amount Per Serving	%DV*
Probiotic Blend	30 Billion CFU †
<i>L.johnsonii</i> LBJ 456*	
<i>B.lactis</i> HH-BA68	
<i>L.casei</i> PB-LC39	
<i>L.paracasei</i> HH-LP58	
<i>L.plantarum</i> HH-LP56	
<i>S.thermophilus</i> HH-ST08	
*Daily Value(DV) not established	

Other Ingredients: inulin, fructooligosaccharide, citrus extract, fucoidan

Feature: Probioway Anti-Inflammatory Probiotics is specially formulated to promote health inflammatory response and to reduce oxidative stress and genotoxicity.

Consumer Study

In the consumer study, 18 men between the age 35 to 45 years were recruited to the study and asked to consume the Anti-inflammatory Probiotic capsule once daily for 14 days and send the filled questionnaire. The table below demonstrates the improvement of discomfort in the participants.

Discomfort	% who felt improvement
Joint pain	72%
Gastrointestinal issues	89%
Fatigue	61%

Publications & Patents

- Davoren MJ, Liu J, Castellanos J, Rodríguez-Malavé NI, Schiestl RH. A novel probiotic, *Lactobacillus johnsonii* 456, resists acid and can persist in the human gut beyond the initial ingestion period. Gut Microbes. 2019;10(4):458-480.
- Yamamoto ML, Maier I, Dang AT, Berry D, Liu J, Ruegger PM, Yang JI, Soto PA, Presley LL, Reliene R, Westbrook AM, Wei B, Loy A, Chang C, Braun J, Borneman J, Schiestl RH. Intestinal bacteria modify lymphoma incidence and latency by affecting systemic inflammatory state, oxidative stress, and leukocyte genotoxicity. Cancer Res. 2013 Jul 15;73(14):4222-32.

Patent No.: ZL202010414747.7

Patent No.: US 10,028,983 B2

Patent No.: EP 2 958 575 B1



Wide Applications

Nutraceuticals: Capsule, chewable tablet, gummies, powder

