



# AB Biotek Postbiotics

*We are your global partner for postbiotic solutions that support your health*

Our postbiotics are highly stable, resistant to aggressive industrial processes and compatible with all kind of pharmaceutical and food matrices.

## Advantages of yeast versus bacterial probiotics:

### Safety:

- No risk of acquisition and retransfer of antibiotic resistance genes.

### Physiological effects:

- Increased survival in gastric environment.
- Resistant to local stresses such as GI enzymes, bile salts, organic acids, pH & temperature.
- Fast achievement of steady state concentration (3 days).
- Compatible with antibiotics.
- Improved gut gastrointestinal barrier function.
- Stronger barrier effect against pathogens colonization.
- Immune response driven by  $\beta$ -glucans (cell wall components).
- Stearic hindrance for bacterial pathogens.
- Mycobiota modulation.

### Pharmaceutical characteristics:

- Higher compatibility with food and pharmaceutical matrices.
- No need for refrigerated storage.
- No need for cold-chain logistics.

## Advantages of inactivated versus live probiotics:

### Safety:

- No risk of translocation to blood, particularly in vulnerable subjects.
- No risk of acquisition and retransfer of antibiotic resistance genes.
- No risk of interference with normal colonization of gut microbiota.

### Physiological effects:

- Release of active molecules from the disrupted inactivated cells, passing through the mucus layers and stimulating epithelial cells more directly.
- Loss of viability and cell lysis can produce further and more complex beneficial effects.

### Pharmaceutical characteristics:

- Easier to standardized, transport and store.



### ***Saccharomyces boulardii* ABB S3**

The benefits of a gold standard without its technical limitations:

- Maintains the immune and gastrointestinal benefits of the world's most studied probiotic strain: *Saccharomyces boulardii*.
- Superior and long-lasting capacity to enhance the gut barrier function.
- Induces microbiota changes to address dysbiosis.

### ***Kluyveromyces marxianus* ABB S8**

A new bio-functional leader among lactic acid strains:

- Powerful anti-inflammatory and anti-aging effect.
- Induces the production of short chain fatty acids to improve gastrointestinal health.
- Weight management properties: inhibits fat deposition in in vivo models.
- Active at very low doses (from  $10^6$ - $10^7$  cells/dose).
- Strong synergies with *Saccharomyces boulardii* and *cerevisiae* for gastrointestinal well-being.

### ***Saccharomyces cerevisiae* ABB S21**

- Natural carrier of nutrients such as vitamins, minerals & amino acids.
- Gastrointestinal well-being: reduced abdominal pain and discomfort.
- Rich dietary source of folate.
- Reduces oxidative stress and improves skin conditions.

### **High Selenium Yeast ABB S15**

- An antioxidant that helps lower oxidative stress in the body.
- Reduces inflammation and enhances immunity.
- Selenium has anti-aging properties.

### **High Zinc Yeast ABB S6**

- Zinc contributes to the maintenance of normal skin, hair & nails.
- Zinc contributes to normal function of the immune system.
- Zinc deficiency affects protein and lipid metabolism.

### **High Chromium yeast ABB S18**

- Chromium contributes to weight control.
- Chromium contributes to the maintenance of normal blood glucose concentrations.

### **High Manganese yeast ABB S25**

- Manganese contributes to the maintenance of normal bones.
- Contributes to normal energy-yielding metabolism.

Our products are available in multiple formats to meet the needs of consumers today, including gummies, capsules, stick packs, bulk powder & more.

