

KOMBUCHA: COMPOSITION, FERMENTATION AND HEALTH EFFECTS

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INTRODUCTION AND OBJECTIVES

Kombucha is a fermented obtained from tea (Camellia sinensis) with sugar, with an alcoholic content below 1,2%. The peculiarities of this beverage are the microbial culture that it contains, which acts in synergy, and also the supposed beneficial effects for health that its consumption entails.

Objectives:

Yeasts

• to describe this beverage

Acetic Acid Bacteria (AAB)

Lactic Acid Bacteria (LAB)

- to research the fermentation that takes place during manufacture
- to find out the impact on the consumers' health

Saccharomyces spp

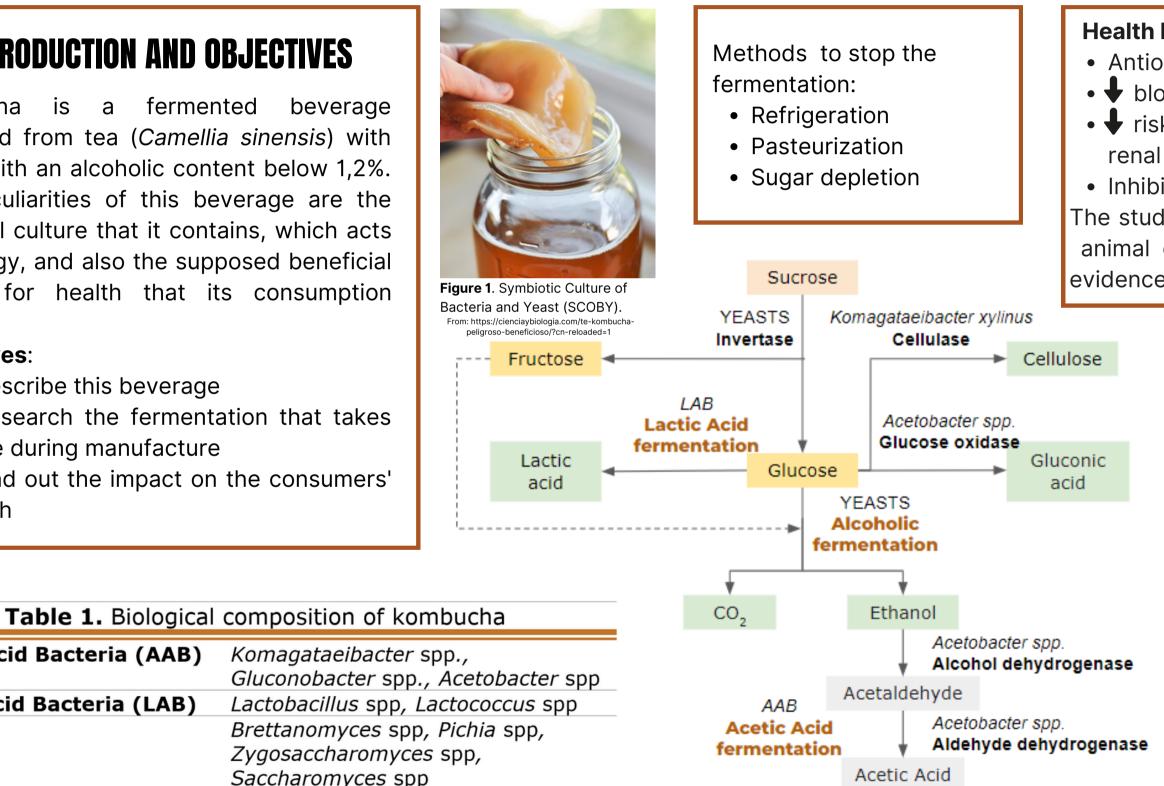


Figure 2. Diagram of the fermentation

Health benefits:

- Antioxidant properties
- **♦** blood lipid and cholesterol concentration
- risk of obesity, cardiovascular diseases, diabetes and
 renal failure
- Inhibition of cancer development and progression The studies have been done mainly in animals, or in vitro in animal or human cell cultures, there is still no scientific evidence to support these benefits for human health.

CONCLUSIONS

- Kombucha is a beverage with a composition of great complexity, despite the simplicity of its raw materials and production process.
- Although no official claims can be made regarding its health effects, kombucha can be considered a high-value food in a healthy diet.
- Kombucha is a refreshing, low-calorie drink that can become a good substitute for soft drinks.