

## 42. Title: Probiotic formulation

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**Keywords:** Food supplement, Probiotic

**Domain:** Life Sciences (Food)

### Summary:

The present technology relates to a food supplement containing probiotic and its process of production. Lactobacillus and Bifidobacterium strains isolated abroad are currently being used in the products available in India. The present invention provides an indigenous probiotic strain and a promoter to enhance its storage and biological properties.

### Advantages:

- » It is an indigenous strain and suitable for the Indian gut.
- » It can tolerate pH as low as 2 and remains viable upto 45°C with supplement
- » It shows survival ability at not only physiological condition of bile (0.3%) but also higher bile concentration upto 2%.
- » Probiotic strain was resistant to most of the antibiotics tested.
- » Enhanced storage stability and other biological properties.
- » Easy to adopt for production.
- » Safe indigenous strain

**Applications:** Food supplements, Nutraceutical

**Scale of Development:** Prototype developed, Invitro studies done

**Technology Readiness Level:** 4

**IP Status:** Granted Indian Patent 391007