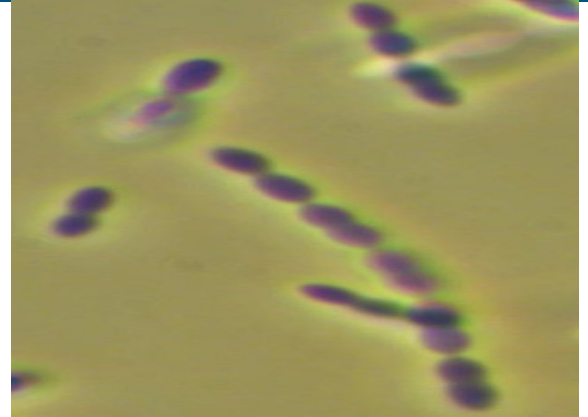


Use of Blautia probiotic strain to treat the flu and prevent secondary bacterial infections

Description

The team has shown that this bacteria lowers the number of secondary bacterial infections of the lungs seen in influenza



Type of expected transfer

Research collaboration with licence option

Advantages

Zero harmful inflammatory actions, Very large genome 3400 bp, Bacterial genus highly abundant in the microbiome of healthy adults, Tests in a preclinical influenza model suggest a stimulating effect on the immune system and fight against secondary infections by S pneumoniae

Possible applications

The results suggest that this strain can stimulate digestive and pulmonary immune defenses by producing large amounts of acetate

Key words

KEY WORDS: acetate, anaerobic, oxygen free, Blautia , dysbiosis , influenza, immune system, probiotics

TRL Scale

1 2 **3** 4 5 6 7 8 9

Development level

This strain, isolated from human stool, can produce up to 70 mM of acetate in vitro. This ability to produce such a large amount can prevent the proliferation of opportunistic species

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