

LifeinU™ BSCU1: a stable probiotic for immunity supported by a clinical study



1 The immune health supplement market is expected to grow

Immunity is one of the most important health concerns for consumers today

→ Probiotics are among the top key ingredients with immune health benefits



2 Three challenges for probiotics



STABILITY



INCORPORATION INTO FOOD MATRICES



EFFICACY

3 LifeinU™ BSCU1: a highly stable probiotic

= *Bacillus subtilis* CU1

STABILITY of Dietary supplements = 24 months at 25°C/60% RH and 30°C/75% RH

STABILITY of cereal bars = 8 months

Functional foods



Dietary supplements



Capsules



Sticks



Sachets

4 Clinical evidence

- Randomized double-blind, placebo-controlled study for 4 months⁽¹⁾
- Assessed the effect of LifeinU™ BSCU1 on immune stimulation and resistance to common winter infections.



50 volunteers
BSCU1



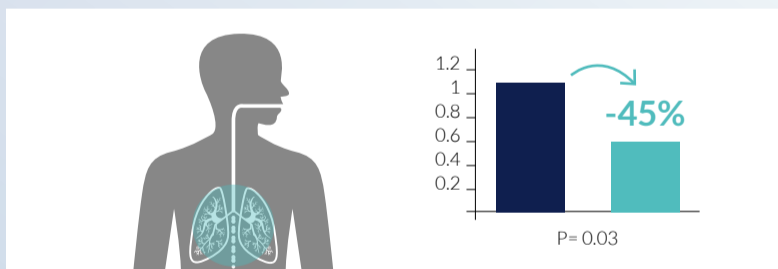
50 volunteers
PLACEBO



4 MONTHS

Results

45% reduction in the frequency of Upper Respiratory Tract Infections

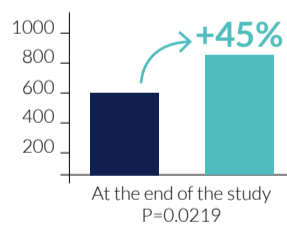


Increase in secretory immunoglobulin A (sIgA), our body's first line of defense

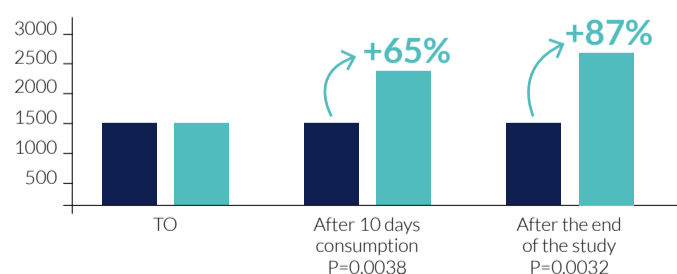
87% in the intestine **45%** in the saliva

sIgA concentration in human saliva (µg/ml)

■ Placebo
■ LifeinU™ BSCU1



sIgA concentration in human stools (µg/ml)



⁽¹⁾ Lefevre M et al. Immunity & Aging 2015, 12:24

Reference:

Webinar "Immune health and LifeinU™ BSCU1: A stable probiotic for functional foods and dietary supplements", organized by Gnosis by Lesaffre, November 5, 2020

[WATCH THE REPLAY OF THE WEBINAR?](#)