THE FUTURE OF ORAL HEALTH

CAFOSA Health

ORAL HEALTH
is influenced by many factors: hygiene, diet, genetics, stress, smoking habit, etc.[1]

ORAL CAVITY
contains >700 bacterial species [2]

MOST COMMON ORAL PROBLEMS ARE CAUSED BY POLYMICROBIAL BIOFILM

Gingivitis
Up tp 90% of population[3]

Caries
#1 oral health issue

Halitosis
Up to 32% population[4]

A HEALTHY ORAL MICROBIOTA PROTECTS FROM COLONIZATION OR OVERGROWTH OF PATHOGENIC BACTERIA[5]

Typical hygiene methods like brushing and the use of toothpaste or mouthwash disrupt the biofilm, reducing harmful bacteria; but at the same time it affects beneficial bacteria too...

SOLUTION

Complement oral hygiene with the administration of beneficial bacteria

"Probiotics re-establish an appropriate microbiota, which has a preventive effect on the most common oral problems"

DO ALL PROBIOTICS WORK?...NO

Oral Probiotics, in order to be effective, MUST:

- Survive in the oral cavity (high lysozyme concentrations)
- Present antagonism against gingival pathogens
- Show high adhesion and strong co-aggregation resulting in an ability to form positive biofilm and colonise the oral cavity
- Low acidogenic activity (i.e. Lactic acid bacteria)
- Not generate malodorant metabolites (volatile sulphur compounds)

REFERENCES
1. Jenkinson et al. Oral microbial communities in sickness and in health. Trends Microbiol 2005. **2.** Crielaard, W., et al. Exploring the oral microbiota of children at various developmental stages of their dentition in the relation to their oral health. BMC Med Genomics. 2011. **3.**Albandar & Rams, 2002. Global epidemiology of periodontal diseases: an overview. Periodontology 2000. **4.** Silva et al, 2018. Estimated prevalence of halitosis: a systematic review and meta-regression analysis. Clin Oral Investig. **5.** Sam aranayake et al. Dent Clin N Am 2017.

OUR PERFECT PROPOSAL

TO PROVIDE ADVANCED ORAL CARE

Health in Gum by CAFOSA

WITH

AB:Dentalac® ORAL PROBIOTIC

CHEWING GUM SUGARFREE

- Stimulates prolonged saliva production
- Increases level of bicarbonate
- Rises plaque pH
- Reduces caries incidence
- Reduces demineralization and plaque

ORAL PROBIOTIC AB:Dentalac

- Contains *Lactobacillus plantarum* CECT 7481 and *Lactobacillus brevis* 7480
- Restitutes beneficial bacteria
- Antagonizes pathogenic bacteria
- Balances oral microbiota

AB Dentalac patented strains count with in-vitro screening and pre-clinical studies to test final product efficacy.

CLINICAL STUDY

X10

HiG Oral Probiotic counts with a clinical oral colonization study. Randomized. Placebo-controlled. Parallel double intended. 40 volunteers during 4 weeks.

- After 4 weeks subjects receiving HiG oral probiotic have 1log higher levels of both *L.brevis and L.plantarum* vs control group.
- Significant net reduction of subjects with dental plaque within the probiotic group only.

	Lactobacillus plantarum CECT 7481	Lactobacillus brevis CECT 7480
Antagonism vs. & halitosis pathogens	✓	✓
Colonize oral cavity in vivo	✓	✓
Change in plaque index significantly correlated to colonization	✓	✓

About Cafosa Health

Chewing Gum Solutions for Health and Wellness

Some Key Facts

Cafosa is the **world leading** supplier of Gum Base

40 years of experience

We belong to the **Mars & Wrigley Group**

CAFOSA Health

www.cafosa.com