

High Science Summary

HIGH SCIENCE FORMULATIONS

The passion for research and the continuous desire to experiment and to go beyond the borders, over time has led the Probiotal R&D department to develop increasingly advanced and unique formulations with specific and tested applications.

The range of HIGH SCIENCE finished products gathers fully developed formulations that present:

- **HIGH SCIENTIFIC RATIONALE**
- **SCIENTIFIC DOCUMENTATION**
- **INNOVATIVE APPLICATIONS AND MOA**
- **FORMULATION COMPATIBILITIES**
- **PATENT (Technology or strain)**

Each formulation is available as **INGREDIENT** and as **FINISHED PRODUCT** in different pack size with or without Microbac Technology.

HEALTH TARGETS



FORMULAS CATALOGUE

Legenda



HYDROSOLUBLE
POWDER



OROSOLUBLE
POWDER



OILY
DROPS



CAPSULES



ALLERGEN
FREE



MICROBAC



STRAINS
IN OIL



IN VITRO
TEST



PRECLINICAL
TEST



CLINICAL
TEST

BIFIGLOW®

Skin aging

Bifidobacterium lactis BS05
(DSM 23032),
Retinol, Hyaluronic acid

ADULTS



BIFISTEROL®

Cholesterol levels

Bifidobacterium lactis MB2409
(DSM 23733),
Bifidobacterium bifidum MB109
(DSM 23731),
Bifidobacterium longum BLO4
(DSM 23233),
Choline, Policosanols

ADULTS



BIFIFOLIC®

Cardio

Homocistein levels

Bifidobacterium lactis BA05
(DSM 18352),
Lactobacillus reuteri LRE02
(DSM 23878),
Folic acid, Vitamin B12

ADULTS



BIFISLIM®

Junior

Weight management

Bifidobacterium breve BRO3
(DSM 16604),
Bifidobacterium breve B632
(DSM 24706)

JUNIOR



PROBIAL® DERM

Atopic Dermatitis

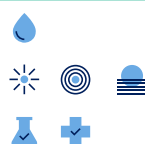
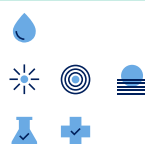
Bifidobacterium breve BRO3
(DSM 16604),
Lactobacillus salivarius LSO1
(DSM 22775),
Biotin

ADULTS

JUNIOR

BABY



FLORATOPIC®*Atopic
Dermatitis**Lactobacillus salivarius* LS01
(DSM 22775),
Biotin**ADULTS**
JUNIOR
BABY**BIFIACNEL®***Acne**Bifidobacterium breve* BRO3
(DSM 16604),
Lactobacillus salivarius LS03
(DSM 22776),
Lactobacillus casei LCO3
(DSM 27537),
Biotin, NAC**ADULTS**
JUNIOR
BABY**FLOREN®**
Adults*Disbiosis**Lactobacillus delbrueckii*
LDDO1,
Lactococcus lactis subsp.
Cremonis LLC02,
Lactobacillus plantarum LP01
(LMG P-21021)**ADULTS****BIFIFOS®***IBS, diverticulite**Bifidobacterium longum* W11,
FOS**ADULTS****BIFIDIGEST®***Digestion**Lactobacillus rhamnosus* LR06
(DSM 21981),
Lactobacillus plantarum LP14
(DSM 33401),
Calcium carbonate, Kiwi d.e.**ADULTS****CELIAFLORA™***Celiac disease**Lactobacillus paracasei* LPC09
(DSM 24243),
Lactobacillus rhamnosus LR04
(DSM 16605),
Lactobacillus plantarum LP14
(DSM 33401)**ADULTS****BIFIBABY®***Infantile colic**Bifidobacterium breve* BRO3
(DSM 16604),
Bifidobacterium breve B632
(DSM 24706)**BABY****FLOREN®**
Baby*Infantile
gastroenteritis**Lactobacillus reuteri* LREO2,
Lactobacillus rhamnosus LR04
(DSM 16605)**INFANTS**

CELIAFLORA™ Junior

Celiac disease

Bifidobacterium breve BRO3 (DSM 16604),
Bifidobacterium breve B632 (DSM 24706),
Biotin

JUNIOR



BIFIFOLIC® Materna

Pregnancy

Bifidobacterium lactis BA05 (DSM 18352),
Lactobacillus reuteri LRE02 (DSM 23878),
Riboflavin, Vitamin B6, Folic acid, Vitamin B12, FOS

WOMEN



BIFICIST® Recurrent cystitis

*Recurrent
cystitis*

Lactobacillus termophilus ST10 (DSM 25246),
Lactobacillus plantarum LP01 (LMG P-21021),
Lactobacillus paracasei LPC09 (DSM 24243),
Cranberry dried juice,
D-Mannose

ADULTS



BIFIFERT® Woman

Fertility

Bifidobacterium lactis BS01 (LMG P-21384),
Bifidobacterium lactis BA05 (DSM 18352), *Lactobacillus salivarius* CRL 1328, DSM 24441
Inositol, Folic acid

WOMEN



FLORAPAUSE® Menopause

Menopause

Bifidobacterium lactis BA05 (DSM 18352), Vitamin D3,
Kudzu d.e.

WOMEN



BIFIZEN® Age Well

*Healthy ageing,
memory*

Lactobacillus fermentum LF16 (DSM 26956), *Lactobacillus rhamnosus* LR06 (DSM 21981),
Lactobacillus plantarum LP01 (LMG P-21021), *Bifidobacterium longum* O4 (DSM 23233),
Citicoline, Zinc

ADULTS
SENIOR



VITALONGUM® Healthy ageing, antioxidant

*Healthy ageing,
antioxidant*

Bifidobacterium longum DLBL 07 (DSM 25669),
Bifidobacterium longum DLBL 10 (DSM 25672),
Bifidobacterium longum DLBL 11 (DSM 25673),
Selenium, Zinc, FOS

ADULTS
SENIOR



BIFIVIR®*Immune defences*

Lactobacillus plantarum LP01 (LMG P-21021),
Lactobacillus plantarum LP02 (LMG P-21020),
Lactobacillus rhamnosus LR04 (DSM 16605),
Lactobacillus rhamnosus LR05 (DSM 19739),
Bifidobacterium lactis BS01 (LMG P-21384), FOS

ADULTS**BIFIASTHM®***Allergic Asthma*

Lactobacillus salivarius LS01 (DSM 22775),
Bifidobacterium breve B632 (DSM 16604)

**ADULTS
JUNIOR****ALLERFLORA®***Allergic rhinitis*

Lactobacillus plantarum LP01 (LMG P-21021),
Lactobacillus paracasei LPC00 (LMG P-21380),
 FOS

ADULTS**BIFIZEN®***Mood*

Lactobacillus fermentum LF16 (DSM 26956),
Lactobacillus rhamnosus LR06 (DSM 21981),
Lactobacillus plantarum LP01 (LMG P-21021),
Bifidobacterium longum O4 (DSM 23233)

ADULTS**BIFIZEN®****Stress***Stress/anxiety*

Lactobacillus fermentum LF16 (DSM 26956),
Lactobacillus rhamnosus LR06 (DSM 21981),
Lactobacillus plantarum LP01 (LMG P-21021),
Bifidobacterium longum O4 (DSM 23233),
 Vitamin B6, Saffron d.e.

ADULTS**BIFIZEN®**
Focus*Cognitive performance*

Lactobacillus fermentum LF16 (DSM 26956),
Lactobacillus rhamnosus LR06 (DSM 21981),
Lactobacillus plantarum LP01 (LMG P-21021),
Bifidobacterium longum O4 (DSM 23233),
 Phosphatidylserine, Pantothenic acid

ADULTS**BIFIZEN®**
Night*Sleep and sleep quality*

Lactobacillus fermentum LF16 (DSM 26956),
Lactobacillus rhamnosus LR06 (DSM 21981),
Lactobacillus plantarum LP01 (LMG P-21021),
Bifidobacterium longum O4 (DSM 23233),
 Melatonin

ADULTS

BIFIZEN®
Kids

*ADHD,
Mental
performance*

Lactobacillus fermentum LF16
(DSM 26956),
Lactobacillus rhamnosus LRO6
(DSM 21981),
Lactobacillus plantarum LPO1
(LMG P-21021),
Bifidobacterium longum BLO4
(DSM 23233),
Vitamin B6,
Passiflora incarnata d.e.

JUNIOR



BIFIPROST®
IPB

Lactobacillus plantarum LPO1
(LMG-21021),
Lactobacillus paracasei LPC09
(DSM 24243),
Zinc, Saw palmetto d.e.

MEN



BIFIFERT®
Man
Fertility

*Bifidobacterium animalis subs
lactis* BAO5 (DSM 18352),
Lactobacillus plantarum LRO6
(DSM 21981),
Zinc, NAC, Vitamin C

MEN



BIFISPORT®
Performance

Bifidobacterium breve BRO3
(DSM 16604),
Streptococcus thermophilus FP4
(DSM 18616)

ADULTS



TURN KEY FORMULATIONS

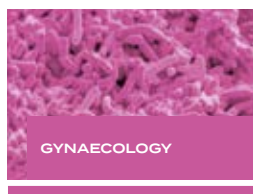
Creating new Health Care formulas with probiotics is different from formulating with other active ingredients. Probiotics are living organisms and experience and know-how are required to keep them alive. The compatibility of strains with other active compounds must be tested from time to time, as well as their stability. For this reason, Probiotal provides its customers with a wide range of **Ready To Market Formulations**, thus greatly shortening the kick off times of the project.

The formulas, that in some cases carry **technological patents** and **clinical studies**, come from the 40-year experience of Probiotal, with the aim of supply **fully products** those come with:

- **SCIENTIFIC DOCUMENTATION**
- **FORMULATION COMPATIBILITIES**
- **STABILITY STUDY**

Each formulation is available as **INGREDIENT** and as **FINISHED PRODUCT** in different pack size.

HEALTH TARGETS



FORMULAS CATALOGUE

Legenda



HYDROSOLUBLE
POWDER



OROSOLUBLE
POWDER



OILY
DROPS



CAPSULES



ALLERGEN
FREE



MICROBAC



STRAINS
IN OIL



IN VITRO
TEST



PRECLINICAL
TEST



CLINICAL
TEST

PROBIAL® HAIR *Hair Care*

Bifidobacterium lactis BS05
(DSM 23032),
Lactobacillus plantarum LPO9
(DSM 25710),
Lactobacillus buchnerii Lb26
(DSM 16341) Tyndallized,
Vitamin B6, Selenium

ADULTS



PROBIAL® SKIN Akne *Acne*

Lactobacillus rhamnosus LR06
(DSM 21981)
Vitamin B6, Vitamin B2,
Vitamin B5, Beta caroten, Zinc

ADULTS



PROBIAL® SKIN Atopic *Atopic Dermatitis*

Bifidobacterium actis BS01
(LMG P-21384),
Lactobacillus rhamnosus LR05
(DSM 19739),
Vitamin D, FOS

ADULTS



PROBIAL® SKIN Atopic Forte *Atopic Dermatitis*

Lactobacillus plantarum LP14
(DSM 33401),
Bifidobacterium lactis BS01
(LMG P-21384),
Lactobacillus rhamnosus LR05
(DSM 19739),
Vitamin B2, FOS

ADULTS





BIFICOL® IBS *IBS, colonic inflammation*

Bifidobacterium breve BRO3
(DSM 16604),
Lactobacillus plantarum LP01
(LMG P-21021)

ADULTS



BIFICOL®**Stress**
*Stress related
IBS, colonic
inflammation**Bifidobacterium breve* BRO3
(DSM 16604)
Lactobacillus plantarum LPO1
(LMG P-21021),
Vitamin B6, Vitamin B3,
L-Tryptophan, FOS**ADULTS****BIFIFIBER®****Intestinal
regularity***Bifidobacterium lactis* BS01
(LMG P-21384),
Vitamin B6, FOS**ADULTS****GASTROBARRIER®****Gastric
protection***Lactobacillus rhamnosus* LRO6
(DSM 21981),
Lactobacillus pentosus LPS01
(DSM 21980),
Lactobacillus plantarum LPO1
(LMG P-21021),
Lactobacillus delbrueckii subsp.
delbrueckii LDD01 (DSM 22106),
NAC, FOS**ADULTS****PROBIAL®****Flat Belly***Bloating,
intestinal
fermentation**Lactobacillus plantarum* LPO1
(LMG P-21021),
Lactobacillus acidophilus LA02
(DSM 21717),
FOS**ADULTS****PROBIAL®****FLORA**
*Intestinal flora
restoration**Bifidobacterium breve* BRO3
(DSM 16604),
Lactobacillus rhamnosus LRO6
(DSM 21981),
FOS**ADULTS****PROBIAL®****FLORA**
Diar Stop
*Diarrhea
Intestinal
irregularity**Lactobacillus rhamnosus* LRO4
(DMS 16605)**ADULTS****PROBIAL®****FLORA GG**
*Intestinal flora
restoration**Lactobacillus rhamnosus* GG
(ATCC53103)**ADULTS****PROBIAL®****FLORA**
Regularity
*Intestinal flora
restoration
colonic
health**Lactobacillus rhamnosus* LRO6
(DSM 21981),
Bifidobacterium lactis BS01
(LMG P-21384),
FOS**ADULTS**

PROBIAL® BABY Colic <i>Infantile colic</i>	<i>Bifidobacterium breve</i> BRO3 (DSM 16604), <i>Lactobacillus rhamnosus</i> GG (ATCC53103)	BABY	
PROBIAL® BABY Colic Forte <i>Infantile colic</i>	<i>Lactobacillus reuteri</i> LRE02 (DSM 23878), <i>Bifidobacterium breve</i> BRO3 (DSM 16604), <i>Lactobacillus rhamnosus</i> GG (ATCC53103)	BABY	
PROBIAL® BABY Diar Stop <i>Diarhea</i>	<i>Lactobacillus rhamnosus</i> LRO4 (DSM 16605)	BABY	
PROBIAL® BABY Flora <i>Intestinal flora restoration, intestinal discomfort</i>	<i>Bifidobacterium breve</i> BRO3 (DSM 16604), <i>Lactobacillus rhamnosus</i> LRO4 (DSM 16605), Vitamin D3	BABY	
PROBIAL® BABY Flora Balance <i>Infantile colic</i>	<i>Lactobacillus reuteri</i> LRE02 (DSM 23878), <i>Lactobacillus rhamnosus</i> LRO6 (DSM 21981)	BABY	
PROBIAL® BABY GG <i>Diarrhea, infantile colic</i>	<i>Lactobacillus rhamnosus</i> GG (ATCC53103)	BABY	
PROBIAL® KIDS Flora Forte <i>Intestinal flora restoration</i>	<i>Lactobacillus paracasei subsp. paracasei</i> LPC 00 (LMG P-21380), <i>Lactobacillus rhamnosus</i> LRO4 (DMS 16605), <i>Bifidobacterium breve</i> BRO3 (DMS 16604)	JUNIOR	
PROBIAL® KIDS GG <i>Diarrhea</i>	<i>Lactobacillus rhamnosus</i> GG (ATCC53103)	JUNIOR	

PROBIAL® CYS*Recurrent
cystitis**Lactobacillus rhamnosus* LRO6
(DSM 21981),
Cranberry dried juice**ADULTS****PROBIAL® AGE***Healthy ageing,
antioxidant**Bifidobacterium lactis* BS05
(DSM 23032),
Lactobacillus plantarum LPO1
(LMG P-21021),
Lactobacillus buchneri Lb26
(DSM 16341) tyndallized,
Selenium, Zinc**ADULTS****BIFIMMUN® 1***Immune defences,
cold symptoms
duration**Bifidobacterium lactis* BS01
(LMG P-21384),
Lactobacillus rhamnosus LRO4
(DSM 16605),
Lactobacillus plantarum LPO2
(LMG P-21020),
Vitamin B6, Zinc, FOS**ADULTS****BIFIMMUN® 2***Immune defences**Bifidobacterium lactis* BS01
(LMG P-21384),
Lactobacillus rhamnosus LRO4
(DSM 16605),
Lactobacillus plantarum LPO2
(LMG P-21020),
Vitamin C, FOS**ADULTS****BIFIMMUN® 3***Immune defences,
cold prevention**Bifidobacterium lactis* BS01
(LMG P-21384),
Lactobacillus rhamnosus LRO4
(DSM 16605), *Lactobacillus
plantarum* LPO2 (LMG
P-21020),
Vitamin C, Vitamin D3**ADULTS****PROBIAL®
IMMUNE 1***Immune defences**Bifidobacterium lactis* BS05
(DSM 23032),
Bifidobacterium longum BLO3
(DSM 16604),
Bifidobacterium lactis BS01 (LMG
P-21384),
Vitamin D3**ADULTS****PROBIAL®
IMMUNE 2***Immune defences**Bifidobacterium lactis* BS01
(LMG P-21384),
Lactobacillus plantarum LP14
(DSM 33401), vitamin C**ADULTS****PROBIAL® KIDS
Immune 1***Immune defences**Lactobacillus rhamnosus* GG
(ATCC53103),
Bifidobacterium lactis BS01
(LMG P-21384),
Vitamin D3**JUNIOR**

PROBIAL® KIDS
Immune 2
Immune defences

Lactobacillus reuteri LRE02
(DSM 23878),
Bifidobacterium infantis BIO2
(DSM 24687),
Lactobacillus plantarum LP14
(dsm 33401),
Vitamin D3

JUNIOR



PROBIAL®
Stone

Kidney stone

Lactobacillus acidophilus LAO2
(DSM 21717),
Lactobacillus paracasei LPCO9
(DSM 24243)

ADULTS



*Surfing together
the Probiotic Galaxy*

probiotical.com
support@probiotical.com