

Galam

REFINING NATURE'S RAW MATERIALS



gofosTM
Makes Fibers Greater

About Us



A privately-owned company, headquartered in Kibbutz Maanit -located in central Israel.

For over 80 years Galam has refined the best of nature's raw materials producing and supplying high quality sweetening solutions, starches, pregels, nutritional & specialty ingredients.

Galam master's technologies relevant to sugar production and refining including enzymatically processes

Product development, engineering design, customer support & applications are our core competences

Our dedicated teams of expert technologists, engineers & product managers will accompany and support you through product introduction in the market

Galam is a world leader manufacturer of sugar -based crystalline fructose and syrups

Divisions Operations

Food and Beverage
Pet Food
Animal Nutrition
Industry

Portfolio

Sweeteners
Starches
Nutritional ingredients

Production Plants, blending facilities and application laboratories

Israel
Germany
Spain

Galam I.D

Sales (US \$): ~130 mil

Owner: FIMI Opportunities Funds

Active Customers: ~ 600

Employees: ~ 260

Worldwide Selling to more than 40 countries

International Presence

Production sites



Presence in over 40 countries worldwide



Food Division - Product Portfolio

Fructose

- Liquid and powder (cane sugar/beet sugar)

Fiber

- Short -Chain Fructo-oligosaccharides (sc-FOS **GOFOS™**)
- Powder & syrup content ranging from 60-95%

Starches

- Native
- Modified
- Pre-gelatinized

Instant Cereals

- Pregelatinize dried flakes or powders

Sugar Syrup

- Liquid Sugar
- Liquid Fructose
- Inverted Sugar

Tailor made liquid blends

- Glucose
- Sucrose
- Fructose
- Polyols
- Polydextrose



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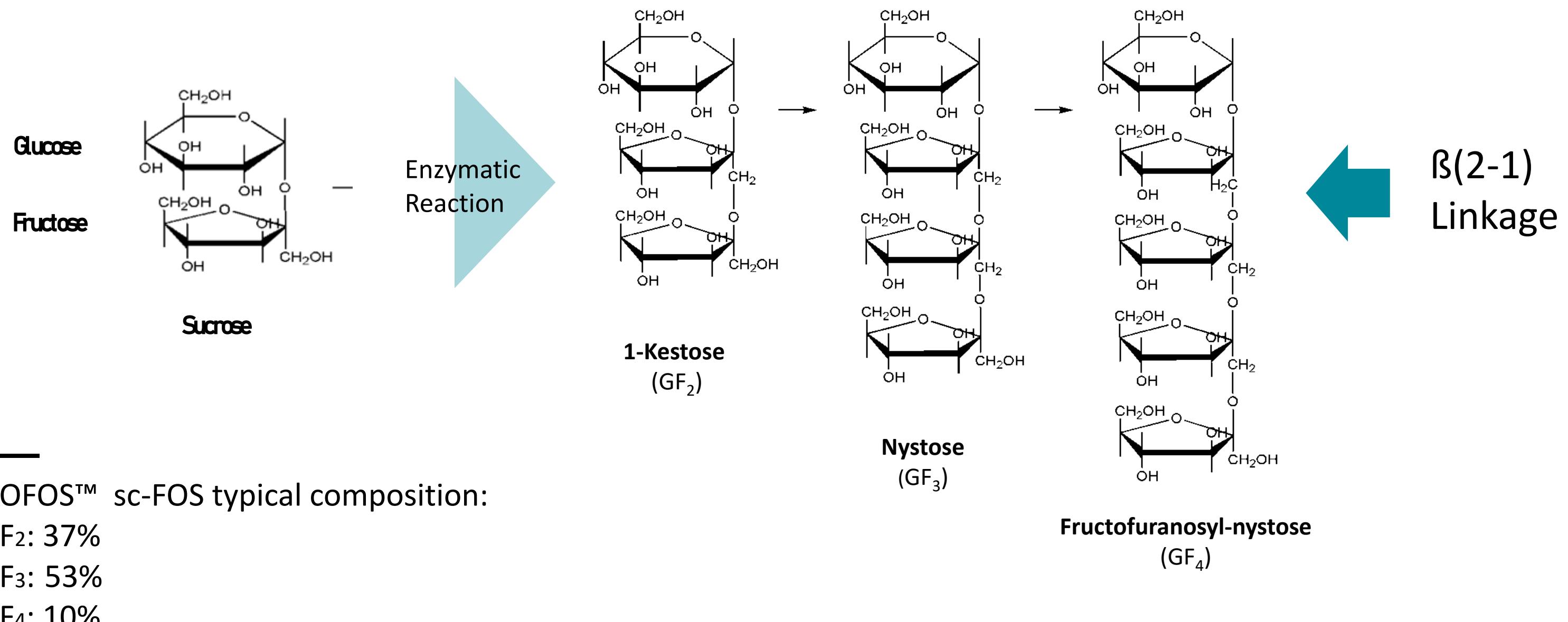
Provides Better Health and Well-Being for Pet



GOFOS™

- GOFOS™ is a high purity of about 95% of short chain fructo-oligosaccharides (sc-FOS)

- Produced from beet sugar by a proprietary unique enzymatic process leading to formation of: GF₂, GF₃ and GF₄ with guaranteed ratios



- 1 | A highly effective soluble prebiotic fiber - one of the most studied fiber
- 2 | Non-Digestible Oligosaccharide (NDO)- Belongs to the 'Fructan' group
- 3 | Stimulates the growth and activity of beneficial bacteria in the gut
- 4 | Low dose needed for health effects
- 5 | sc-FOS naturally found in small amount in various natural sources:
onion, garlic, banana, asparagus etc.
(4 gr of sc-FOS = to 22 bananas/15 onions)



Regulatory and Labeling

01

USA

Recognized as a feed ingredient
AAFCO approved
GRAS approved

02

EU

Recognized as a feed ingredient in
feed catalogue- EU 68/2013

03

Labeling

Fructo oligosaccharides
FOS
Sc-FOS





Label Claims with FOS on Pet Food Products

Nutrient Function Claim

- Supports digestive health
- Stimulates growth of friendly Intestinal microflora
- Helps reduce stool odors
- Contributes to good stool quality
- Contains prebiotic to support the digestive system
- Enhances immune system
- Helps Maintain Healthy Weight

Prebiotic - Definition

GOFOS™ is a prebiotic fiber

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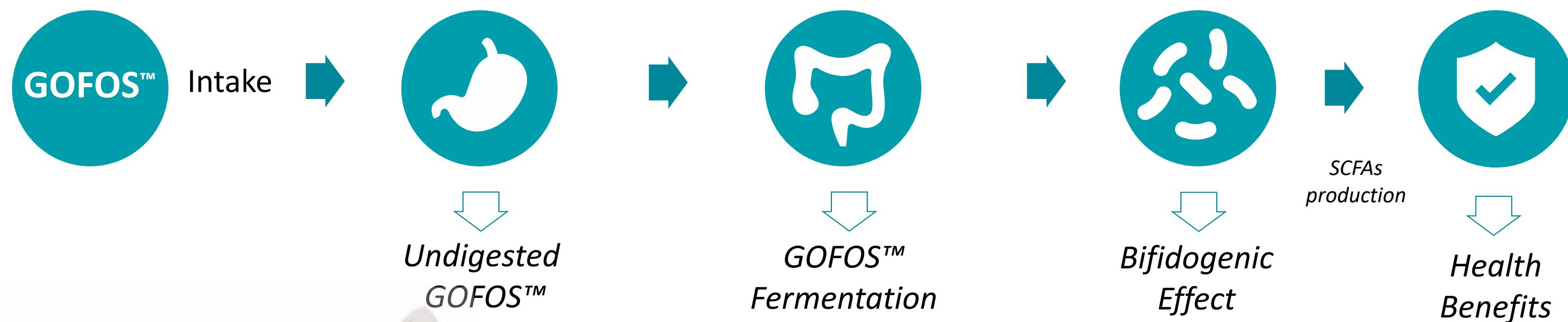
A substrate that is selectively utilized by host microorganisms conferring a health benefit”



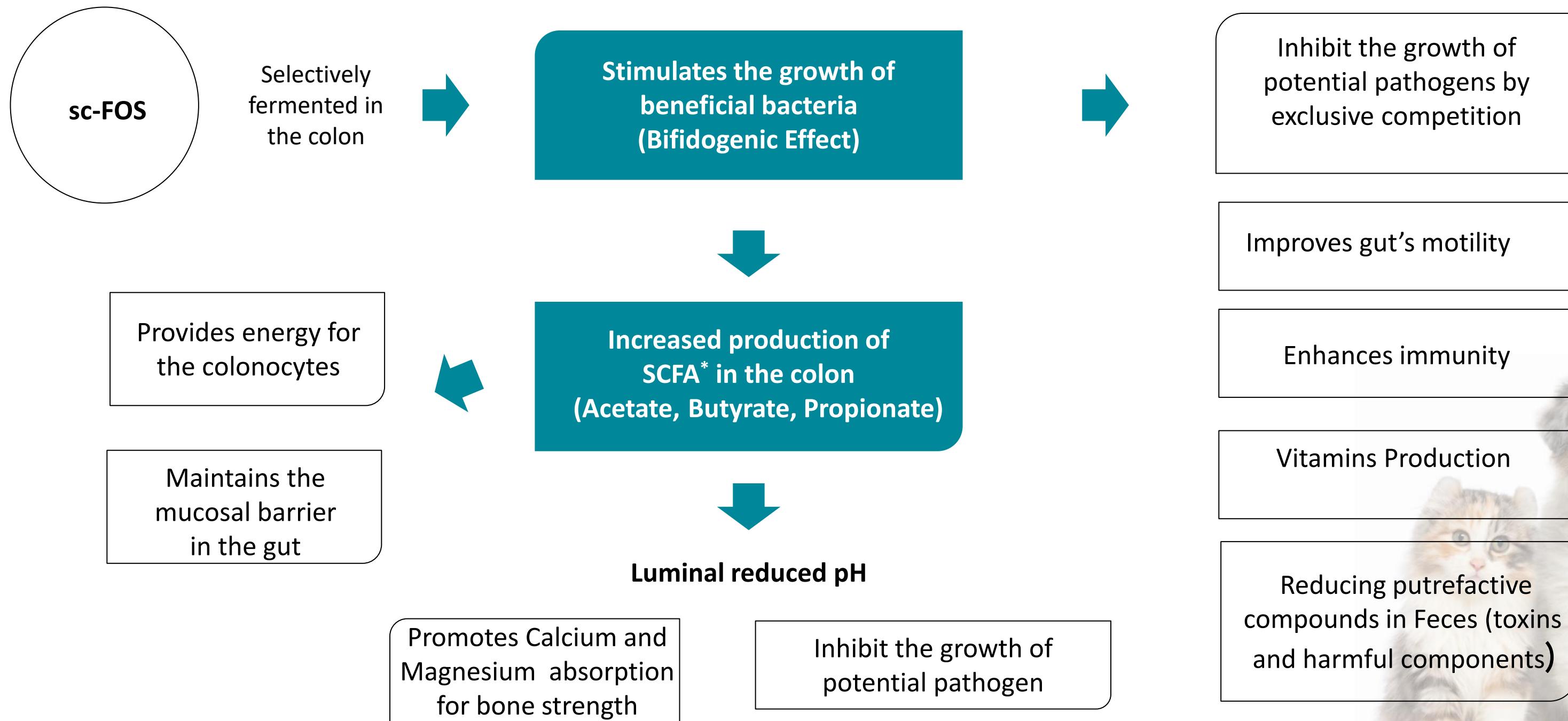
INTERNATIONAL
SCIENTIFIC ASSOCIATION
OF
PROBIOTICS AND PREBIOTICS™



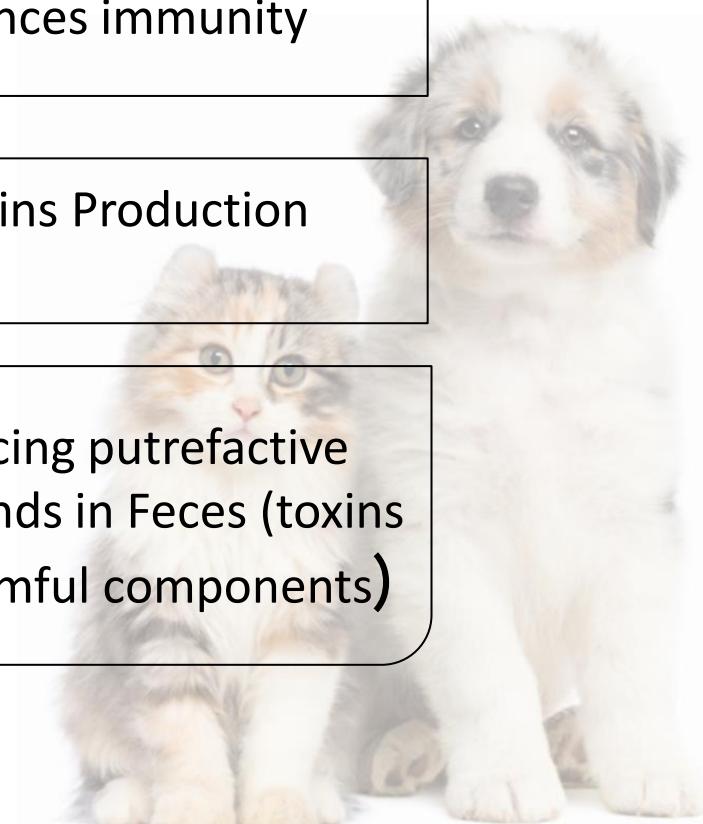
GOFOS™ - Metabolism



Prebiotic Effect - Primary and Secondary Consequences with sc-FOS



*Short Chain Fatty Acids



Health Effects in Dogs



- Benefits gut microbial ecology
- Increases production of SCFA in the colon
- Decreases concentration of putrefactive compounds
- Improves stool odor and consistency
- Enhances immune responses
- Increases Insulin sensitivity

Therapeutic dosage: 10 gr / kg feed

Preventive dosage : 5 gr / kg feed

Efficient from 2 weeks after supplementation

Health Effects in Cats



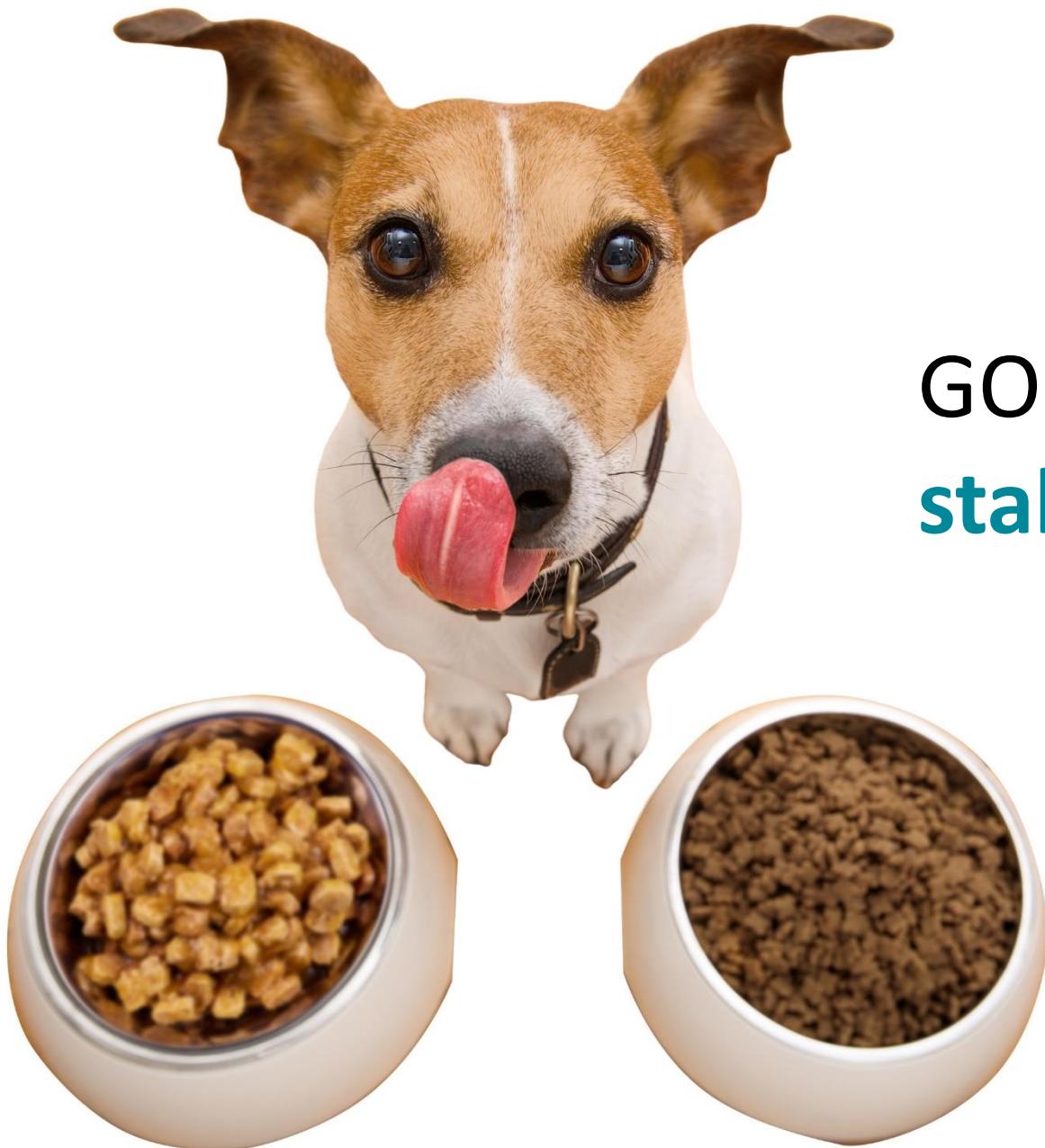
- Benefits gut microbial ecology
- Increases production of SCFA in the colon
- Enhances Immune responses
- Improves stool odor and consistency
- Secretion of nitrogen in feces instead in urine
(important for the kidney function)

Therapeutic dosage: 10 gr / kg feed

Preventive dosage : 5 gr / kg feed

**Efficient from 3 weeks after
supplementation**

Technical Properties



GOFOS™ is suitable for canned and dry food
stable in pasteurization and extrusion conditions



Thank You

Contact us for more information:

www.galamgroup.com



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