

Vitamin D3 - Premix

A true solution to bone health!

Vitamin D3 is critical for healthy bones, joints, skin, and teeth, but it is not easily found in food sources. Vitamin D promotes calcium absorption in the gut and maintains adequate serum calcium and phosphate concentrations to enable normal mineralization of bone and to prevent hypocalcemic tetany. Prebiotic fibers helps improve overall health.

- 
- ✓ VITAMIN D3
 - ✓ PREBIOTIC FIBERS
 - ✓ CALCIUM
 - ✓ GOOD FOR BONE HEALTH
 - ✓ GOOD FOR DIGESTIVE HEALTH

Functional Advantages

- Simple blending process.
- Gives wholesome palate.
- Self stable in powder format.



Prebiotic Advantage

Fecal Microbial Composition

FOS increases fecal numbers of Bifidobacteria and Lactobacilli and decreases those of E.coli

Colonic Luminal pH

FOS increases volatile fatty acids which reduces intestinal pH that is detrimental to pathogenic growth

Intestinal Absorption of Minerals

FOS improve the apparent total tract digestibility of several minerals

Fecal Bacterial Metabolites

FOS increases fecal acetate, propionate, butyrate, and total SCFA and reduces circulating ammonia and fecal phenol

Insulin Sensitivity

scFOS reduces basal insulin resistance, alters glucose and lipid metabolism, and improve glucose homeostasis

Immunity

scFOS supplementation has been linked with higher IgM levels, an immune parameter

Specific Benefits



Muscle Building

Enhanced bio-availability of amino-acids.



Women Nutrition

Reduced bone loss, positive defense towards gestational diabetes, UTIs.



Sports Nutrition

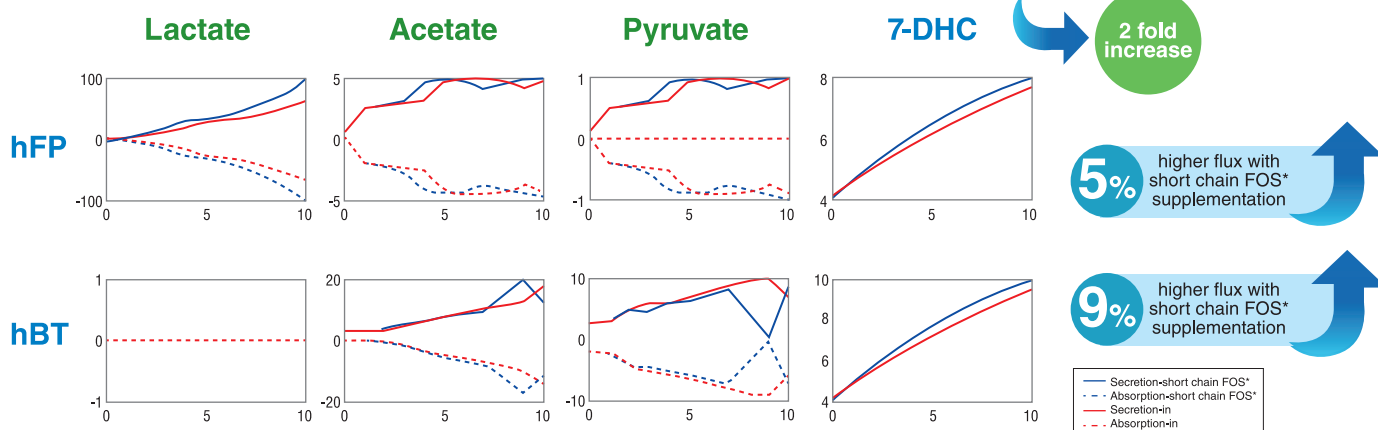
Sustained glycemia, reduced GI distress & improved immune-competence.



Geriatric Nutrition

Improved gut barrier, regulated bowel movements improved immune-competence and over all metabolic health.

Prebiotic short chain FOS* enhances SCFA production and 7-DHC biosynthesis



Prebiotics supplementation has a potential for increasing 7-DHC i.e. provitamin D₃ biosynthesis flux

About TATA NQ

Tata NQ is the Nutritional Solutions Division of TATA Chemicals Ltd, a group company of the \$140 bn Tata conglomerate - offering science backed nutritional solutions through innovative ingredients, food technology service, R&D and world class manufacturing facilities.



Only full scale Manufacturer of FOS and GOS Prebiotics in India



State - of the art Manufacturing Facilities in Nellore and Sriperumbudur.



Certification FSSC,FDA GRAS,Halal, Kosher, GMP



Biggest Manufacturer, using whole cell technology



60 Member food-tech & R&D Scientists based out of Pune Innovation Center



Numerous patents & international Publication



TATA CHEMICALS LIMITED

TATA CHEMICALS LIMITED

Leela Business Park, Andheri Kurla Road, Andheri East, Mumbai - 400 059. Maharashtra, India

CONTACT US: Phone +91 -22 - 66437400 Mail us: nutra@tatachemicals.com

Disclaimer: The information contained herein is reliable to the best of our knowledge. Users are advised to check the suitability including compliance with regulations. No warranties are expressed or implied. No patent or license infringement is intended.