



Aid Towards Cure



Lamino-GI Lamino-GI Plus

Food Supplement for Gastro-Intestinal Support

Background:

Lamino GI / GI Plus is a scientifically formulated well balanced nutritional supplement for gastro-intestinal health. Apart from vitamins and minerals it provides other specific nutrients like BCAA, SAME, Alpha Lipoic Acid, Choline and Taurine.

Role of Vitamins:

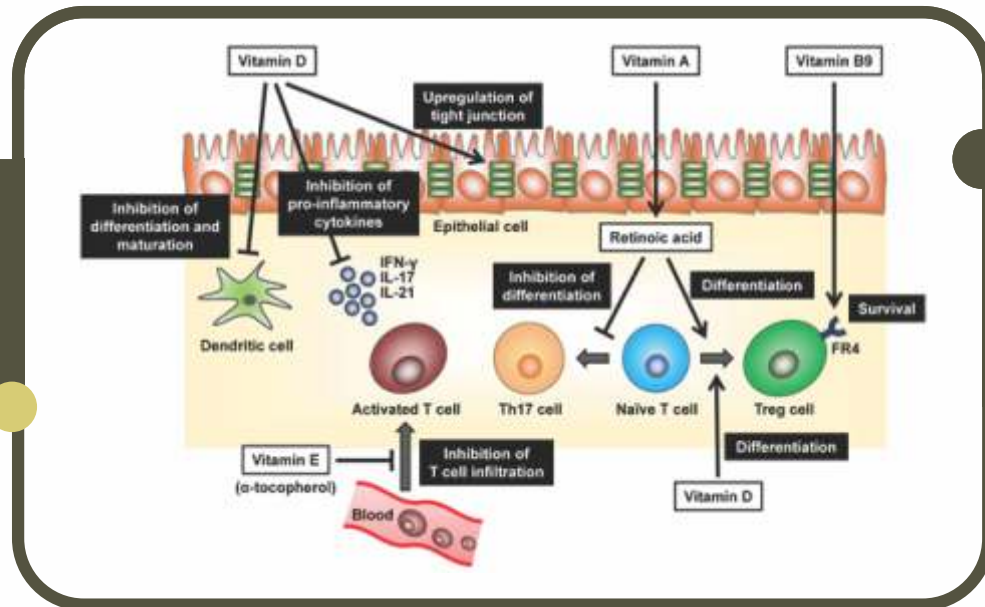


Fig: Pivotal roles of vitamins in the maintenance of immunologic homeostasis in the gut. ¹

Role of BCAA:

- BCAAs play critical roles of nutrition physiological functions in glucose and lipid metabolism, protein synthesis as well as intestinal health and immunity.²
- Oral administration of BCAAs significantly improved serum albumin concentration and health-related quality of life in patients with decompensated cirrhosis with an adequate daily food intake.³
- BCAA supplementation has positive effect on patients with liver cirrhosis.³

Role of SAME:

- Ameliorates liver injury and reduces the development of HCC in chronic liver disease. ⁴
- SAME plays a crucial role in liver cells and especially for regulating the sensitivity of liver cells to various kinds of injuries. ⁵

Role of Choline:

- Dietary choline intake is an important modifier of epigenetic marks on DNA and histones thereby modulates the gene expression in many of the pathways involved in liver function and dysfunction. ⁶

Branched chain amino acids and immune function

Amino Acid	Regulation of Immune Function
BCAA Mix	↑ Fuel sources for immune cells
	↑ Immune function of neutrophils and lymphocytes
	↑ CD4+, CD4+/CD8+
	↑ Intestinal immunoglobulins
Isoleucine	↑ Excretion of β -defensin
Leucine	↑ Regulation of innate and adaptive immune responses
	↑ Pro-inflammatory cytokines
	↓ Anti-inflammatory cytokines
Valine	↑ Dendritic cell function
	↑ Pro-inflammatory cytokines
	↓ Anti-inflammatory cytokines

Role of Taurine:

- Taurine protects tissues from oxidative stress associated with the pathology of various inflammatory diseases.⁷
- Taurine, the component (or modulator) of the myeloperoxidase– halide system of leukocytes, reacts with HOCl/HOBr to produce taurine haloamines (TauCl/ TauBr), which are less toxic milder oxidants, but retain antimicrobial and anti-inflammatory properties.⁷
- Taurine plays an important role in cell membrane stabilization, modulation of intracellular calcium levels, osmoregulation and detoxification.⁸

Role of Alpha Lipoic Acid:

ALA a natural anti-oxidant is a cofactor of mitochondrial enzymes of oxidative metabolism.⁹

References :

1. Immune Network; 17(1): 13-19: 2017
2. International Journal of Molecular sciences; 19 :954 :2018
3. Clin Gastroenterol Hepatol.; 3(7): 705-13: 2005
4. Journal of Hepatology; 57: 1097–1109: 2012
5. World Journal of Surgical Oncology; 12: 27: 2014
6. Curr Opin Clin Nutr Metab Care; 16(3): 339–345: 2013
7. Amino Acids; 46: 7–20: 2014
8. Nutr. Hosp. ; 17 (6): 262-270: 2002
9. Diabetology & Metabolic Syndrome; 6 : 80: 2014

Lamino-GI / GI-Plus is beneficial in

- GI disease
- Malnutrition caused by GI disease
- Hepatitis

Key Features:

- Unique combo for gastric health improvement and nourishment.
- Comes with essential vitamins and minerals.
- Improves quality of life in patients.
- Lamino-GI comes with Cherry flavour and Lamino GI-PLUS with Vanilla flavour.

Recommended Usage:

LAMINO-GI:

Add 1.5 scoops (Approx. 25 g) in 50 ml lukewarm milk/water or as suggested by healthcare professional.

LAMINO-GI PLUS:

Add 3 scoops (Approx. 30 g) in 200 ml lukewarm milk/water or as suggested by healthcare professional.

Composition

Nutrients	Lamino GI	Lamino GI Plus
	Quantity/ Serving	Quantity/ Serving
Energy	95.50 kcal	112.20 kcal
Carbohydrates	17.50 g	6.00 g
(Sugar)	0.00 g	0.00 g
Protein	3.00 g	18.00 g
Fat	1.50 g	1.80 g
Vitamins		
Vitamin C	12.50 mg	15.00 mg
Vitamin B3	2.75 mg	3.30 mg
Vitamin E	2.75 IU	2.21 mg
Vitamin B5	1.00 mg	1.20 mg
Vitamin B6	0.40 mg	0.48 mg
Vitamin B2	0.32 mg	0.38 mg
Vitamin B1	0.30 mg	0.36 mg
Vitamin A	475.00 IU	171.00 mcg
Folic Acid	37.50 mcg	45.00 mcg
Vitamin K	7.50 mcg	9.00 mcg
Biotin	7.00 mcg	8.40 mcg
Vitamin D2	37.50 IU	1.13 mcg
Vitamin B12	0.65 mcg	0.78 mcg
Minerals		
Calcium	95.00 mg	114.00 mg
Potassium	92.50 mg	111.00 mg
Phosphorus	76.00 mg	88.00 mg
Sodium	35.00 mg	42.00 mg
Chloride	30.00 mg	36.00 mg
Magnesium	23.00 mg	27.60 mg
Iron	1.25 mg	1.50 mg
Zinc	1.12 mg	1.34 mg
Manganese	0.30 mg	0.36 mg
Copper	0.15 mg	0.18 mg
Iodine	14.50 mcg	17.40 mcg
Chromium	14.25 mcg	16.00 mcg
Selenium	8.75 mcg	10.50 mcg
Molybdenum	7.50 mcg	9.00 mcg
Amino Acids		
L-Leucine	322.50 mg	1620.00 mg
L-Valine	212.50 mg	870.00 mg
L-Isoleucine	195.00 mg	870.00 mg
Other Ingredients		
Choline	87.50 mg	87.50 mg
S-Adenosyl Methionine (SAME)	50.00 mg	100.00 mg
Alpha Lipoic Acid	50.00 mg	50.00 mg
Taurine	12.50 mg	12.50 mg

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