

## **PROTOBEX Plus Syrup**

### **COMPOSITION**

Each 5 ml contains:	
Protein Hydrolysate (20%) (derived from Soya, Casein & Whey)	2.5 g
Elemental Iron (as Iron Choline Citrate)	5 mg
Vitamin B <sub>12</sub> IP	1.67 mcg
Pyridoxine HCl IP	0.5 mg
Niacinamide IP	8.33 mg
Zinc Sulphate IP equivalent to Elemental Zinc	2.5 mg
Magnesium Chloride IP	3.33 mg
Manganese Chloride USP	0.03 mg
Copper Sulphate Pentahydrate USP equivalent to Elemental Copper	40 mcg
Folic Acid IP	1 mg
Flavoured Syrupy Base	qs
Colour: Caramel	
Appropriate Overages of vitamins are added to compensate the loss on storage.	

### **DESCRIPTION**

<b>NUTRIENT</b>	<b>BENEFITS</b>
Protein (Soya)	Contains all eight essential amino acids. Has 1.0 PDCAAS. Contains no cholesterol & is low in saturated fat. Helps reduce serum concentrations of total cholesterol, Low-Density Lipoproteins (LDLs) & triglycerides.
Protein (Casein)	Provides the highest quality of all Essential Amino Acids. A rich source of glutamine & arginine. Has high tyrosine-tryptophan amino acid ratios (almost 5:1). Stable during processing, preserves the nutritive value.
Protein (Whey)	Highest biological Value. High bioavailability, allows faster uptake into muscle cells. Provides the highest quality of all Essential Amino Acids. Rich source of glutamine, cysteine, calcium & phosphorus.
Iron	Necessary for haemoglobin formation and for oxidative processes.
Vitamin B12	Essential for growth, cell reproduction, hematopoiesis & nucleoprotein & myelin synthesis. Participates in red blood cell formation.
Pyridoxine	Involved in amino acid metabolism, carbohydrate & fat metabolism. Required for the formation of haemoglobin.
Niacinamide	Functions as part of 2 coenzymes present in all cells, nicotinamide adenine dinucleotide (NAD) & nicotinamide adenine dinucleotide phosphate (NADP). These coenzymes participate in glycogenolysis, fatty acid metabolism & tissue respiration.
Zinc	Normal growth & tissue repair depend upon adequate zinc. Acts as an integral part of several enzymes important to protein & carbohydrate metabolism.
Magnesium	Potassium cannot be retained in soft tissues & leaks out if magnesium is deficient.

	Required for the absorption & utilization of calcium. Required for normal activity of 300 enzymes. Important stabilizer of polynucleic acids, substances where genetic information is stored.
Manganese	Cofactor in many enzyme systems. Stimulates synthesis of cholesterol & fatty acids in the liver & influences mucopolysaccharide synthesis.
Copper	Cofactor for serum ceruloplasmin, an oxidase necessary for proper formation of the iron carrier protein, transferrin. Helps maintain normal rates of RBC & WBC formation.
Folic Acid	Necessary for DNA & RNA synthesis. Essential for the growth/reproduction of all body cells. Works with vitamin B12 in the formation of RBCs.

### **INDICATIONS**

**PROTOBEX Plus Syrup** is a nutritive supplement indicated in

- ✓ Growing children
- ✓ Pregnant & lactating women
- ✓ Underweight & malnourished patients
- ✓ Elderly
- ✓ Post-operative & during convalescence

### **DOSAGE**

Adults: 1 tablespoonful (15 ml.) twice a day after meals.

Children: (Above one year) 1-2 teaspoonful (5-10 ml.) twice a day after meals, or as directed by the Physician.

### **CONTRAINDICATIONS**

The use of **PROTOBEX Plus Syrup** is contraindicated in patients with hypersensitivity to any of the ingredients of the formulation.

### **PRECAUTIONS**

There are no known restrictions to the use of **PROTOBEX Plus Syrup**.

### **PREGNANCY & LACTATION**

**PROTOBEX Plus Syrup** may be used during pregnancy and lactation.

### **DRUG INTERACTIONS**

The data on drug interactions with **PROTOBEX Plus Syrup** is not available.

### **ADVERSE REACTIONS**

No adverse reactions have been reported with the use of **PROTOBEX Plus Syrup**.

### **PRESENTATION**

**PROTOBEX Plus Syrup** is available in a bottle of 200 ml.

### **STORAGE**

Store in a dark place below 30°C