

# What is Lipotocin Plus?

## **Methionine**

Assists in the breakdown of fats and thereby prevents the build-up of fat in the arteries, as well as assisting with the digestive system and removing heavy metals from the body since it can be converted to Cytosine, which is a precursor to Glutathione, which is of prime importance in detoxifying the liver.

## **Inositol**

Helps to maintain proper electrical energy and nutrient transfer across the cell membrane. It also acts as a lipotropic which converts fats into other useful products. Inositol helps establish healthy cell membranes, which facilitate nerve impulses.

## **Choline**

Assists in controlling your weight as well as cholesterol levels, keeping cell membranes healthy and in preventing gallstones. It is also most useful in the maintenance of the nervous system, assisting memory and learning, and may help to fight infections, including hepatitis and AIDS. Choline is critical for normal membrane structure and function. Choline is the major precursor of betaine, and it is used by the kidneys to maintain water balance and by the liver as a source of methyl-groups for Methionine formation. It is also used to produce the important neurotransmitter Acetylcholine. It assists in nerve impulse transmission, gallbladder regulation, liver functions and lecithin production.

## **B-VITAMINS**

**B1** (Thiamine) serves as a catalyst in carbohydrate metabolism.

**B2** (Riboflavin) helps to metabolize fats, carbohydrates, and respiratory proteins.

**B3** (Niacin) helps release energy from nutrients. It can also reduce cholesterol and prevent and treat heart disease.

**B5** (Pantothenic Acid) is involved in numerous biological reactions, including the production of energy and the breakdown of fatty and amino acids.

**B6** (Pyridoxine) is a vital part of the enzyme system and very important to the metabolism of proteins, fats and carbohydrates. It is also important in the

normal function of the nervous and immune systems. The essential amino acid tryptophan also depends on Pyridoxine for its utilization.

**B-12 (Methylcobalamin)** is a vitamin which is important for the normal functioning of the brain and nervous system, and for the formation of blood. It is normally involved in the metabolism of every cell of the body, especially affecting DNA synthesis and regulation, but also fatty acid synthesis and energy production.

### **L-Carnitine**

Boosts energy by stimulating the body's burning of triglycerides as fuel, and sparing the supply of glycogen stored in the liver for heavier exertion. During exercise, the body will burn fat at a rate of 75-80% of maximum exertion, thus less glycogen from carbohydrates is burned. L-Carnitine allows the body to burn more fat, save more glycogen, and ultimately boost stamina and endurance. By providing more fat to the muscles, Carnitine makes accessible an otherwise unavailable energy source.

### **Chromium**

Improves blood sugar control in people with pre-diabetes, type 1 and type 2 diabetes, and high blood sugar due to taking steroids. It is also used for depression, PCOS, lowering "bad" cholesterol and raising "good" cholesterol in people taking heart medications. Some people try chromium for body conditioning including weight loss, increasing muscle, and decreasing body fat. Chromium is also used to improve athletic performance and to increase energy.

### **Procaine**

An agent similar to the local anesthetic lidocaine to prevent discomfort.