

Stress-B-Plus™

NPN 80064323

DESCRIPTION

Stress-B-Plus™, manufactured by Douglas Laboratories®, is a comprehensive B formula providing all of the essential B vitamins, as well as related nutrients.

FUNCTIONS

As co-enzymes, the B vitamins are essential components in most major metabolic reactions. They play an important role in energy production, including the metabolism of lipids, carbohydrates and proteins. Folic acid and vitamin B₁₂ are also important for blood cell production. As water-soluble substances, B vitamins are not generally stored in the body in any appreciable amounts (with the exception of vitamin B₁₂). Therefore, the body needs an adequate supply of B vitamins on a daily basis.

Thiamine, riboflavin and niacin are all essential coenzymes in metabolism. Thiamine is converted quickly into thiamine pyrophosphate, which is required for glycolytic and Krebs cycle reactions. Riboflavin is a component of the coenzymes FAD and FMN, which are intermediates in many redox reactions, including energy production and cellular respiration reactions. Niacin is also a component of the coenzymes NAD and NADP, which are involved in energy production as well as biosynthetic processes.

Vitamin B₆ is a coenzyme in amino acid metabolism. It is necessary for the metabolism of methionine into cysteine and the conversion of tryptophan into niacin. Vitamin B₆ is also involved in the breakdown of glycogen into glucose and the elongation of essential fatty acids. Vitamin B₁₂ and folic acid are coenzymes in DNA and RNA metabolism. Both of these B vitamins assist in the methionine cycle; folic acid serves as a methyl donor, while vitamin B₁₂ acts as a coenzyme in the production of methionine. Both B vitamins are also necessary for red blood cell formation.

Biotin and pantothenic acid are also coenzymes essential for energy production from dietary fats, carbohydrates and proteins. Pantothenic acid is a component of coenzyme A and of phosphopantetheine, and is therefore essential for Krebs cycle operation. Biotin is involved in many carboxylation reactions associated with gluconeogenesis, the Krebs cycle and fatty acid synthesis.

While not truly vitamins, choline, inositol and para-aminobenzoic acid are important nutrients related to B vitamins. Choline serves as a methyl donor for homocysteine metabolism, a structural component of cellular membranes as phosphatidylcholine, and a precursor in acetylcholine formation. Inositol aids in cellular responses to hormonal signals and is active in cellular membranes as phosphatidylinositol.

INDICATIONS

Stress-B-Plus™ may be useful for individuals who want to increase their intake of a complete array of B vitamins and related nutrients. Stress-B-Plus™ supports macronutrient metabolism and red blood cell count.

FORMULA (#7452)

Each Tablet Contains:

Thiamine (thiamine mononitrate).....	50.5 mg
Riboflavin.....	55 mg
Niacinamide.....	200 mg
Vitamin B ₆ (pyridoxine hydrochloride).....	53.5 mg
Vitamin B ₁₂ (cyanocobalamin).....	100 mcg
Folic Acid	400 mcg
Biotin.....	200 mcg
Pantothenic Acid (calcium <i>d</i> -pantothenate).....	55 mg
Choline (choline bitartrate).....	26 mg
Inositol	55 mg
PABA (para-aminobenzoic acid)	55 mg

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Non-Medicinal Ingredients: Cellulose, magnesium stearate, silica, stearic acid, tablet coating (purified water, isopropanol, polyvinyl alcohol, talc, polyethylene glycol, polysorbate 80)

SUGGESTED USAGE

Adults: Take 1 tablet daily or as directed by your healthcare practitioner.

RISK INFORMATION

Consult your healthcare practitioner prior to use if you are pregnant, breastfeeding or taking sulfonamides. Hypersensitivity has been known to occur; in which case, discontinue use.

STORAGE

Store in a cool dry area.

REFERENCES

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For more information on Stress-B-Plus™ visit douglaslabs.ca

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