

## Pantothenic Acid 500 mg

### DESCRIPTION

Pantothenic Acid, provided by Douglas Laboratories, supplies 500 mg of pantothenic acid in a convenient capsule form.

### 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. B vitamins are also important for blood cells, hormones, and nervous system function. As water-soluble substances, B vitamins are not generally stored in the body in any appreciable amounts (with the exception of vitamin B-12). Therefore, the body needs an adequate supply of B vitamins on a daily basis.

Pantothenic acid, also known as vitamin B-5, is a coenzyme essential for energy production from dietary proteins, fats and carbohydrates. It is a component of coenzyme A and of phosphopantetheine, and is therefore essential for Krebs cycle operation.

### INDICATIONS

Pantothenic Acid 500 mg may be a useful dietary adjunct for individuals who wish to supplement their diet with generous amounts of pantothenic acid.

### FORMULA (#7919)

Each capsule Contains:

Pantothenic Acid ..... 500 mg  
(as Calcium d-Pantothenate)

### SUGGESTED USE

Adults take 1 capsule daily with meals or as directed by a healthcare professional.

### SIDE EFFECTS

No adverse side effects have been reported.

### STORAGE

Store in a cool, dry place, away from direct light. Keep out of reach of children.

### REFERENCES

Miller SL, Schlesinger G. Prebiotic syntheses of vitamin coenzymes: II. Pantoic acid, pantothenic acid, and the composition of coenzyme A. *J Mol Evol* 1993 Apr;36(4):308-14

Rychlik M. Quantification of free and bound pantothenic acid in foods and blood plasma by a stable isotope dilution assay. *J Agric Food Chem* 2000 Apr;48(4):1175-81.

Slyshenkov VS, Piwocka K, Sikora E, Wojtczak L. Pantothenic acid protects jurkat cells against ultraviolet light-induced apoptosis. *Free Radic Biol Med* 2001 Jun 1;30(11):1303-10

Tahiliani, AG, Beinlich, CJ. Pantothenic acid in health and disease. *Vitam Horm* 1991;46:165-228.

**For more information Pantothenic Acid visit [douglaslabs.com](http://douglaslabs.com)**

† These statements have not been evaluated by the Food and Drug Administration.  
This product is not intended to diagnose, treat, cure, or prevent any disease.

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Your patients trust you.**