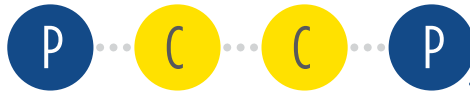


What is pantethine?



A derivative of B5, pantethine is composed of two molecules of pantoic acid linked by cysteamine bridging groups.

What does pantethine do?



Pantethine helps increase the metabolic activity of Coenzyme A (CoA) and the acyl-carrier protein (ACP), which creates a reduction in cholesterol synthesis.*

What is Pantesin[®] Pantethine?

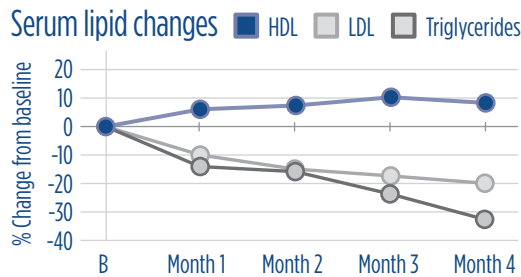


A branded form of Pantethine with 35+ years of research supporting its positive effect on cholesterol levels in high-risk CVD subjects.*

Study results on Pantesin[®] Pantethine

Research on the effectiveness of pantethine¹

An overview of all published studies from 1966-2002 on subjects with abnormally elevated lipid levels who were given an average of 900 mg/day of Pantesin[®].



Results at 4 months:
8% increase in HDL (good) cholesterol*
20% decrease in LDL (bad) cholesterol*
33% decrease in Triglycerides*

Two studies on low to moderate-CVD risk individuals

For both studies subjects consumed the U.S. National Institutes of Health heart healthy diet for four weeks to establish a baseline. The diet was then maintained throughout the following 16-week study period.



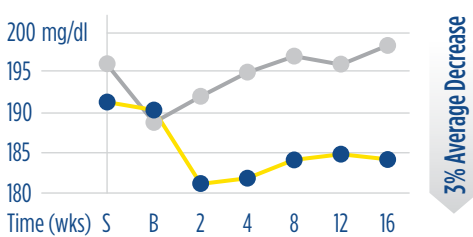
Pantesin[®] supplementation showed a significant improvement in blood lipid ratios over and above the heart healthy diet!



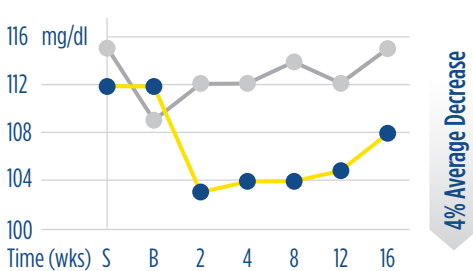
Study #1 results²

After two weeks @ 600 mg/day of Pantestin® supplementation, low to moderate CVD risk subjects averaged a reduction of 3% in total cholesterol, 4% in LDL (bad) cholesterol, and 5% in Apo B — the main component of LDL.

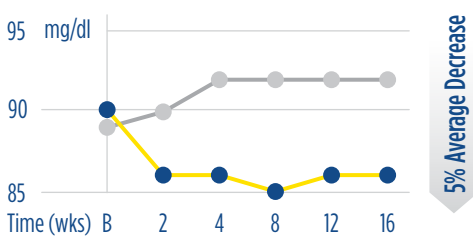
Total Cholesterol



LDL Cholesterol



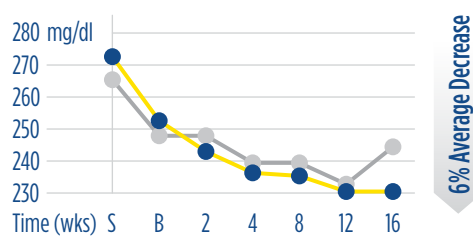
Apolipoprotein B



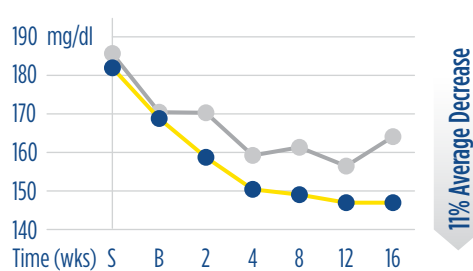
Study #2 results³

Low to moderate CVD risk subjects who were eligible for statin therapy showed a significant decrease in total cholesterol, LDL (bad) cholesterol, and non-HDL cholesterol at 16 weeks with Pantestin® supplementation.

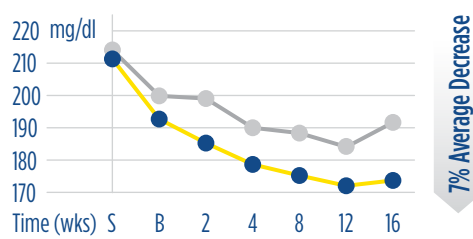
Total Cholesterol



LDL Cholesterol



Non-LDL Cholesterol



Results also showed*:

- No additional measurable benefits when Pantestin was increased from 600 to 900 mg/day for weeks 9-16
- No statistical difference in subjects blood CoQ10 levels
- No significant adverse events compared to placebo

Conclusion:

Pantestin® @ 600mg/day produced a significant decrease in total cholesterol and LDL **over and above** the effects of a heart healthy diet.* This suggests that Pantestin® can be a smart addition for individuals looking for help to maintain healthy blood lipid levels.*

1. McRae MP et al., Treatment of hyperlipoproteinemia with pantethine: A review and analysis of efficacy and tolerability, Nutrition Research, 25: 319-333, 2005

2. Rumberger JA et al., Pantethine, a derivative of vitamin B(5) used as a nutritional supplement, favorably alters low-density lipoprotein cholesterol metabolism in low- to moderate-cardiovascular risk North American subjects: a triple-blinded placebo and diet-controlled investigation. Nutr Res. 2011 Aug 31.

3. Evans M. et al., Pantethine, a derivative of vitamin B5, favorably alters total, LDL and non-HDL cholesterol in low to moderate cardiovascular risk subjects eligible for statin therapy: a triple-blinded placebo and diet-controlled investigation. Vasc Health Risk Manag. 2014 Feb 27.

*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.