Pantesin® Pantethine
A clinically-researched, ultra-pure ingredient that supports healthy cholesterol levels*

What is pantethine?

A derivative of B5, pantethine is composed of two molecules of pantothenic 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®.

Serum lipid changes

<table>
<thead>
<tr>
<th>% Change from baseline</th>
<th>HDL</th>
<th>LDL</th>
<th>Triglycerides</th>
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<tbody>
<tr>
<td>8 Month 1</td>
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<tr>
<td>10 Month 2</td>
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<td>15 Month 3</td>
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<td>20 Month 4</td>
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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 results
After two weeks @ 600 mg/day of Pantesin® 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.

Study #2 results
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 Pantesin® supplementation.

Conclusion:

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

Results also showed:
- No additional measureable benefits when Pantesin 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

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

*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.

To find brands with Pantesin® Pantethine in their formulation or to learn more, visit: www.pantesin.com