



Manufacturers of
Hypo-allergenic
Nutritional
Supplements



PectaSol[®] Modified Citrus Pectin

What Is It?

Citrus pectin is a water-soluble polysaccharide found abundantly in the pulp and peel of citrus fruits. Modified citrus pectin, MCP, is created by a depolymerization process providing a lower molecular weight compound with optimal pH.*

Features Include

Low Molecular Weight: The molecular weight of MCP is between 10,000-20,000 daltons while the pH is typically 5.3-6.8. This enhances the absorption and bioavailability of MCP. A low degree of methylation (less than 10%) enhances the potential for MCP galactoside residues to bind with galactose-binding lectin proteins. By doing so, MCP moderates the interactions of these proteins with other cells in the body, helping to maintain healthy tissues.*

Supporting Scientific Research: The above characteristics of PectaSol Modified Citrus Pectin are consistent with the research conducted by Dr. Kenneth J. Pienta, MD, who discovered some of the most important cellular support properties of MCP.*

Uses For Modified Citrus Pectin

Prostate Health: In a pilot clinical trial, PectaSol MCP supported prostate health in men. Modified citrus pectin has the potential to moderate interactions between cells, which helps to maintain healthy tissues. Its ability to bind to galactose-binding lectins is the proposed mechanism by which it supports healthy cells.*

Additional Cellular Health: Additional studies suggest that MCP has the potential to support lung, breast, colon, skin, and larynx health.*

What Is The Source?

Citrus pectin is the soluble component of plant fiber derived from orange peel. PectaSol[®] is a registered trademark of EcoNugenics[®], Inc. Vitamin C (ascorbyl palmitate) contained in PectaSol[®] Modified Citrus Pectin capsules is derived from corn dextrose fermentation and palm oil.

Recommendations

Pure Encapsulations recommends up to 15 g of MCP powder daily, in divided doses, mixed with a liquid. For those who desire MCP in capsule form, 1-6 capsules (800 mg. per capsule) three times daily is recommended.

Are There Any Potential Side Effects Or Precautions?

At this time, there are no known side effects or precautions. If pregnant or lactating, consult your physician before taking this product.

Are There Any Potential Drug Interactions?

At this time, there are no known adverse reactions when taken in conjunction with medications.

References:

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3. Hsieh TC, Wu JM. Changes in cell growth, cyclin/kinase, endogenous phosphoproteins and nm23 gene expression in human prostatic JCA-1 cells treated with modified citrus pectin. *Biochem Mol Biol Int* 1995 Nov;37(5):833-41.
4. Hayashi A, Gillen AC, Lott JR. Effects of daily oral administration of quercetin chalcone and modified citrus pectin. *Altern Med Rev* 2000 Dec;5(6):546-52.
5. Inohara H, Raz A. Effects of natural complex carbohydrate (citrus pectin) on murine melanoma cell properties related to galectin-3 functions. *Glycoconj J* 1994 Dec;11(6):527-32.
6. Platt D, Raz A. Modulation of the lung colonization of B16-F1 melanoma cells by citrus pectin. *J Natl Cancer Inst* 1992 Mar 18;84(6):438-42.
7. Tania Weiss PhD, Michael McCulloch BA, Isaac Eliaz MD. Modified Citrus Pectin Induces Cytotoxicity of Prostate Cancer Cells in Co-cultures with Human Endothelial Monolayers. *International Conference on Diet and Prevention of Cancer*, May 1999, Tampere, Finland.
8. Parris M. Kidd, PhD. A New Approach to Metastatic Cancer Prevention: Modified Citrus Pectin (MCP), A Unique Pectin that Blocks Cell Surface Lectins. *Alt Med Rev* 1996;1:4-10.
9. Naik, H, et. al. Inhibition of in vitro tumor cell-endothelial adhesion by modified citrus pectin: a pH modified natural complex carbohydrate. *Proc Annu Meet Am Assoc Cancer Res*; 36:A377 1995.
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PectaSol® Modified Citrus Pectin capsules

each vegetable capsule contains



modified citrus pectin	800 mg.
vitamin C (as ascorbyl palmitate)	16 mg.

1-6 capsules 3 times per day, with liquids.

PectaSol® Modified Citrus Pectin powder

one scoop contains

modified citrus pectin	5 g.
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1 scoop 3 times per day, mixed in a liquid.