

Fundamentals of Aloe Vera Mucopolysaccharides

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The Aloe vera mucopolysaccharide (MPS) is a long chain sugar molecule composed of individual mannose and glucose sugar molecules connected together. There is wide range in the size of the mucopolysaccharide molecule.

The varying sizes determine their healing properties:

Small 50-600 molecules	Reduces inflammation – which is involved in such diseases as ulcerative colitis, arthritis, and gastric reflux. Also helps with the reduction of blood sugar with both type I and II diabetes.
Medium up to 1,500 molecules	Where as vitamins and minerals can only function outside the cells, mucopolysaccharides are very effective intracellular antioxidants and free radical scavengers – very important in preventing and treating arteriosclerosis, heart disease and Parkinson’s disease. With the ever increasing pollution on the planet and loss of nutrients in the soil, the increase in free radicals and loss of cellular oxygen will only become worse with time. This makes Aloe vera mucopolysaccharides even more important than ever.
Large up to 5,000 molecules	Has a direct anti-bacterial and anti-viral effect. Important with all the new infectious diseases cropping up and the older ones becoming more virulent from long term use of antibiotics.
Very Large up to 9,000 molecules	The very large molecules are immune modulating, which have a powerful healing effect on AIDS, cancer and many different immune system disorders. It is also this large molecule that causes the body to produce a natural chemical, tumor necrosis factor, that functions to shut off the blood supply to tumors.

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