

# Mannatech Technology Information for Medical Professionals

In a nutshell (in layman's terms), what was discovered is that every cell in the body has glycoproteins on the cell surface and these are made up of eight glycans. These glycans are what allows for cellular communication between the immune system and cells of the body. There are eight glycans\* that our cells need, but it's also been found that with the modern diet, the only glycans that are readily available are glucose and galactose. The body can produce the others but when the body is under stress this system can break down causing disease to flourish. Mannatech's scientists discovered a way to produce these glycans in a supplement form, called Ambrotose, and it has been proven that the body can benefit from receiving these glycans in supplement form. \*(Harpers Biochemistry Textbook 24th Edition devotes a chapter to the discovery of these eight glycans (also called sugars, monosaccharides.))

[Information Sheet on Ambrotose](#)

[Here's an article that came out recently about these sugar protein complexes that will interest you.](#)

We have personally seen many disease conditions helped from this technology. From your email I see that you must be an allergy doc. One of the first stories we heard when we learned about this technology was about a severe allergy case. Unfortunately it is illegal in our country to make claims of a natural supplement healing anything, but we are happy to tell you what we have seen in our family. And actually it is the body that does the healing with God's amazing immune system!

This discovery came out in 1998 and was ridiculed in the medical and science community until 2011 when the National Academy of Sciences, National Research Council, Institute of Medicine and the National Academy of Engineering compiled their own research on the importance of these glyconutrients (glycans). I am including a excerpt from the report in reference to the importance of glycans in health:

## ***Health***

Glycans play roles in almost every biological process and are involved in every major disease. They are integral to cell adhesion and movement, such as when white blood cells migrate to a site of injury or infection. Glycans inside cells help influence the expression of genes and proteins, forming part of a cell's response to biological signals. The human immune system has evolved the ability to recognize pathogen-specific glycan sequences on bacteria, viruses, and fungi, triggering an immune response. These properties mean glycans are useful as components of therapeutic drugs to help treat chronic and infectious diseases and as biomarkers to detect diseases like cancer.

[Click here to download the summary of the full report.](#)

Mannatech is a research and development company located in Coppell, Texas. They market their products through direct selling. We have been involved with this company for almost 20 years and seen remarkable results from these products. We rarely ever

get even a cold any more and if we do happen to catch something its usually over in a day.

Mannatech has been issued over 130 patents world-wide for their technologies. And operate in 26 countries now. They offer plant-based supplements with no synthetics. They manufacture to GMP standards and their core products are all NSF certified. They have over 20 published, peer-reviewed studies and 12 double-blind placebo studies. You can find all the science at [mannatechscience.org](http://mannatechscience.org) and PubMed.

One of the main ingredients in Ambrotose is called manapol which comes from the Aloe Vera plant. [Here's a short video](#) that shows the high quality of our manufacturing and processing of this powerful glyconutrient. Mannatech's scientists also discovered how to extract the enzyme out of the aloe vera plant that destroys the healing properties after harvesting. As a result, they can maintain the healing properties of the aloe, which is called "acemannan".

To review the products you can go to [Mannatech.com](http://Mannatech.com) and click on "Products." Mannatech's core health products are Ambrotose and Optimal Support Packets. The packets contain three nutritional supplements. Plus, for hormone balance; Ambrotose AO, which is a powerful antioxidant; and PhytoMatrix, which is the ONLY completely plant-based vitamin and plant-based mineral supplement on the market today. (which is another patented technology)

One more thing that sets Mannatech apart from other nutritional companies is that they back all their products with a 180 day satisfaction guarantee. (historically, we have less than a 1% return rate.)