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Sugars

Why is pH Fusion Tea So Unbelievably Functional?

Research scientists learn more about the mystery of the possible fusion solution: pH, fusion, ion gates, glucose/sodium transport, Trehalose and how neurological benefits are achieved to improve mental celerity, Alzheimer's, Parkinson's, MS and ALS

by JC Spencer

Glycoscience Lesson #33
Part Two of Four

Trace Minerals and Your DNA

Some trace minerals play significant roles in the DNA. Some of these are known as monoatomic or single atom minerals in the platinum mineral family (Iridium, Ruthenium, Rhodium, Palladium, Osmium, and Platinum). A few other monoatomic trace elements outside the Platinum family includes chromium and silver. Some of these have significant positive effect on human cells. Other trace minerals that are not monoatomic still play roles in the DNA. Phosphorus binds with a sugar to make the back bone structure of the DNA's double helix. As research continues into the function of DNA, RNA, and the mitochondria, we will learn more about the role of the trace minerals. Expect scientists to soon discover remarkable functions of mineral ions that will have major health benefits for the human body.

Ion Gates are water-filled ion pores in the cell wall. These portals can transport hydrophilic molecules through cell walls.

ATP is adenosine triphosphate, the final fuel to metabolize energy in the cell. The mitochondria generates energy in an aerobic cycle utilizing oxygen. The cell breaks down glucose and produces waste as carbon dioxide and water. Each molecule of glucose makes ~36 molecules of ATP. A shortage of oxygen can restrict ATP production to two molecules. The "clean" quality and quantity of ATP regulates cellular signals that control the human body. Impure final fuel can produce "dirty" electricity that results in free radical damage to cells. Trehalose provides sustained glucose energy to make ATP. Ionic micro trace minerals in pH Fusion Tea is designed to stoke the mitochondria.

Mitochondria Power Generators

These tiny generator powerhouses within the cell produce electricity that powers the mental and motor functions of the body. The electron microscope reveals that some cells contain many, even thousands of various shapes and sizes of mitochondria. Scientists do not yet understand how these generators work but their design is believed to be beyond the technology and sophistication of any power source man has developed.

Designed to Transport Trace Minerals Into the Cell

Two forms of transports pass nutrients through the plasma membrane into the cell. Each transport system seeks the path of least resistance. When glucose moves across the cell membrane (through the cell wall), it travels from the higher concentrated area outside the cell to the lower concentrated area inside the cell. This **Passive transport** process is osmosis by diffusion that requires no energy. The **Active transport** process requires energy to reverse the pathway so glucose is transported from the lower to higher concentrated area. The design of pH Fusion Tea is to facilitate Active Transport.

In Parts Three and Four, we will discuss:

- Fusion results
- Designed to Open Ion Gates in the Cell Wall
- The Glucose/Sodium Transport System and HOW IT WORKS
- Explaining Ion Gates and ATP
- pH Fusion Tea is Designed to Support Red Blood Cells
- Vital Importance of Trace Minerals
- We invite others to research with us.
- Sources and References

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Sources and References

This lesson is a summary of the complex working of the Glucose/Sodium Transport System discussed in Chapter 6 of The Trehalose Handbook Vol. One and Chapter 10 of The Trehalose Handbook Vol. Two entitled "A Quick Study of the Importance of Trace Minerals in the Human Body".

Change your Sugar - Change Your Life www.DiabeticHope.com

www.PilotStudies.net

www.GlycoscienceNEWS.com

www.Glycosciencewhitepaper.com

SMART SUGARS www.OneSmartSugar.com/video.html

Expand Your Mind - Improve Your Brain
<http://www.endowmentmed.org/ExpandYourMind/MindEbook3.html>

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