

Glucoferrin® GTF is an essential element of an immaculate delivery system.

One of the main functions of Glucoferrin® is to assist and support the formation of red blood cells and hemoglobin. Glucoferrin® provides essential amino acids necessary to form the helix-matrix of red cells and the hemoglobin within them. The alpha chain of hemoglobin contains **141 amino acids**, and the beta chain contains **146 amino acids**, resulting in a total of **574 amino acids** in a single hemoglobin molecule.

Heme iron is crucial for the formation of red cells, which is why blood appears red due to its iron content. Once a cell is formed in the bone marrow, **Glucoferrin®** facilitates the transfer of heme iron ions from the bloodstream into the red cells. This process enables the delivery of glycogen, oxygen, sulfur, and nitric oxide to all human body cells. Concurrently, **Glucoferrin®** aids in forming globin protein molecules inside red blood cells.

Once this process is complete, **Glucoferrin®** secretes sequence amino acids to create a bridge connecting iron to globin, resulting in the formation of hemoglobin. This is why **Glucoferrin®** is known as an iron-binding and sequestering glycoprotein. There are four types of hemoglobin in the human body. **HbA1C**, for example, is glycated hemoglobin, which binds to glucose and serves as a marker for monitoring blood glucose levels over time. Hemoglobin is produced and cycled out of the body approximately every 120 days.

Glucoferrin® regulates the amount of iron ions inside red cells, ensuring no more than necessary are present, and it does the same with globin. The average adult human body contains about **20 to 30 trillion red blood cells**. Any excess iron in the bloodstream, known as free iron, can accumulate in organs, leading to dysfunction and potentially organ failure. This excess can negatively affect every organ and skeletal muscle.

With iron dysregulation, humans experience a loss in muscle density, size, and strength. This is where the term "iron man" comes from: properly transferred iron into cells equates to strength, while iron trapped outside cells results in weakness. Iron is primarily stored in the liver and bone marrow. Iron-storing proteins, called **ferritin**, are made from **349 amino acids** and are designed for temporary iron storage and overload protection. Iron transport is handled by **transferrin** proteins, composed of **678 amino acids**.

Hemoglobin not only transfers glucose and oxygen into cells but also removes CO₂ to be exhaled from the body. Elevated CO₂ levels are among the main causes of high blood pressure. **Glucoferrin®** provides an optimal combination for creating **glucose**

tolerance factor (GTF), which is crucial for increasing insulin sensitivity, reducing insulin resistance, and stabilizing the nutritional delivery system's functionality. GTF is stored initially in the liver and subsequently in other organs, muscles, and finally, the bone marrow.

Achieving perfect homeostasis of GTF in the human body by taking **Glucoferrin®** daily takes approximately seven years, a process that no other formula has accomplished.

Glucoferrin® comprises a synergetic sulfur containing **708** amino acid sequence, taken daily, will provide “**limitless multiplication**” of amino acids, protecting our body from amino acid starvation stage. **Glucoferrin®** is the only **GTF** complex that has unmatched ability to regulate iron homeostasis and correct iron deficiency anemias or iron overload, Hemochromatosis and Ferroptosis -iron induced accelerated natural cells.

Glucoferrin® Ingredients:

- Protein 0.2g – Whey Protein Isolate, Buttermilk Powder, Apolactoferrin
- Chromium Chloride Trivalent 175 mcg
- Microcrystalline Cellulose
- Contains: Milk

Dosage: 2 capsules a day with food, increase dosage if needed or recommended by a health professional.

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