

Fenestra Research Labs

The World Leader In Wellness Studies

Case Study on

NaturLOCK™

Final Report
Winter 2014- 2015

Case Study #2

General Information

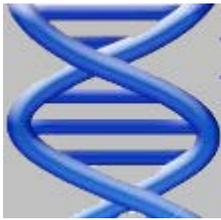
This was a 30-day ten subject Case Study to evaluate the effects of NaturLOCK™ on: white blood cell count and establish its safety and effectiveness for human use.

It is estimated by the CDC that over 5 million Americans have a less than normal effective immune system.

Five subjects were men and five subjects were women. Each subject was provided NaturLOCK™ for the duration of this 30-day study period. Subjects were instructed to consume 4 ounces two times daily on an empty stomach, meaning they should have nothing else to eat or drink one hour prior and one hour after consuming the test product. Subjects were instructed to contact *Fenestra Research Staff* if they had any questions or concerns. Subjects were monitored on bi-weekly basis.

Inclusion for this study:

1. Subjects between the ages of 57-67 on the first day of this study, and not currently taking the following medications:
Antibiotics, Anticonvulsants, Anti thyroid drugs, Arsenicals, Captopril, Chemotherapy drugs, Chlorpromazine, Clozapine, Diuretic, Histamine-2-blockers, Sulfonamides, Quinidine, Terbinafine, Ticlopidine, Beta-adrenergic agonists, Corticosteroids, Epinephrine, Granulocyte colony stimulating factor, Heparin, Lithium
2. Subjects must be able to follow the protocol set up for at least 30-days



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White Blood Cells

They are responsible for fighting infection. This study evaluated Basophils, Eosinophils, Monocytes, and Neutrophils.

Testing

All blood tests were done from a vein in either the left or right forearm of each subject. Standard laboratory procedures were followed for collection of each sample. Three separate vials of blood were collected from each subject for each test. The reported results were the average of the three tubes of blood collected from each subject. Each sample was tested fresh and never frozen. Samples were drawn at Baseline and Day 30.

Reference ranges

WBC 4,500-10,000 cells/mcL

Basophils- 40-90 cells/mcL

Eosinophils-Less than 350 cells/mcL

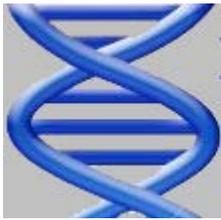
Monocytes- 40-90 cells/mcL

Neutrophils- 1.8 - 7 (x1-3uL)

Safety and Effectiveness

At Baseline before any product had been consumed and on Day 30 of this Case Study the following blood tests were done: CBC, liver enzyme panels, renal panels, cardiac enzyme panels, RBC, and urine analysis was completed. Blood pressure, pulse, respiratory rate, and temperature were taken on every subject at Baseline and on Day 30.

This product has shown itself to be safe and effective for human consumption. There were no negative effects seen on any organs or systems in any of the subjects of this Case Study.



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Conclusion

NaturLOCK™ proved in this study to have some positive effects on WBC's in the human body. During the course of this study subjects immune system was impacted in a positive way. The use of this product may help build peoples immune system.

Four of the ten subjects had low WBC levels on the first day of this study. Those numbers moved into normal ranges at Day 30.

Eosinophils were very high in two subjects at Baseline but went into the normal range with retesting on Day 30. Their functions include: movement to inflamed areas, trapping substances, killing cells, antiparasitic and bactericidal activity, participating in immediate allergic reactions, and modulating inflammatory responses.

Neutrophils were lower than normal in three subjects at Baseline of this Case Study and within normal ranges on Day 30. Neutrophils are the most abundant (40% to 75%) type of white blood cells in mammals and form an essential part of the innate immune system.

No negative side effects were reported by any of the subjects. Three subjects noticed an increase of bowel movements from once every other day to every day. Five subjects said their clothes were fitting looser by the final Day of this study. Nine of the subjects' said they had more energy and felt better on Day 30 than they did on Day 1.