

EPO-Equine® Science

EPO-Equine is the only natural horse blood builder designed for safe daily use as a performance horse dietary supplement.

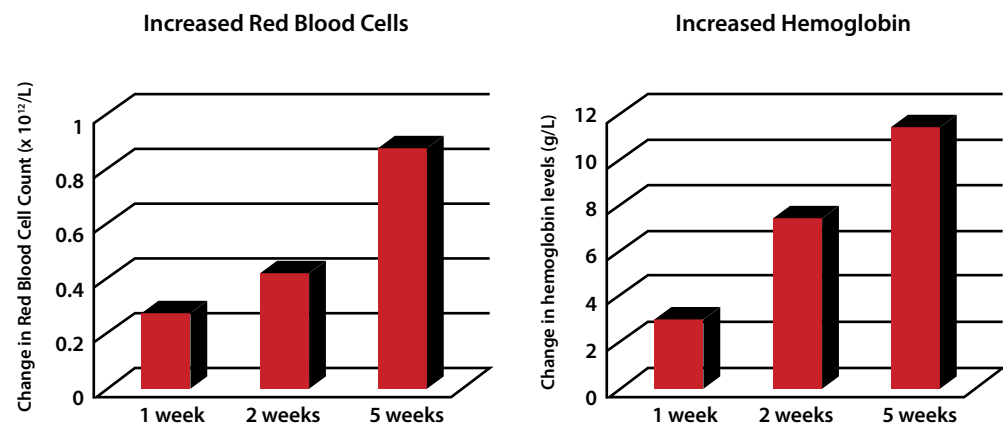
EPO-Equine safely stimulates the natural production of the erythropoietin (EPO) hormone in horses. EPO increases red blood cell production and acts as a natural “blood builder.” Just like in people, a horse’s working muscles require oxygen. Red blood cells are the oxygen-carrying cells that deliver oxygen to muscles. A higher red blood cell count = more oxygen = more energy. Elevated muscle energy helps the horse perform harder, faster and longer during endurance events.

EPO Equine® contains a patent-pending “blood builder.” EPO-Equine was developed by a team of bioengineers from the University of California, San Diego. The EPO-Equine formula has been shown to increase circulating erythropoietin (EPO), red blood cells, hemoglobin, and hematocrit levels in as little as 1 to 2 weeks. When this happens, horses experience gains in endurance and performance.

Peer-Reviewed Published Data

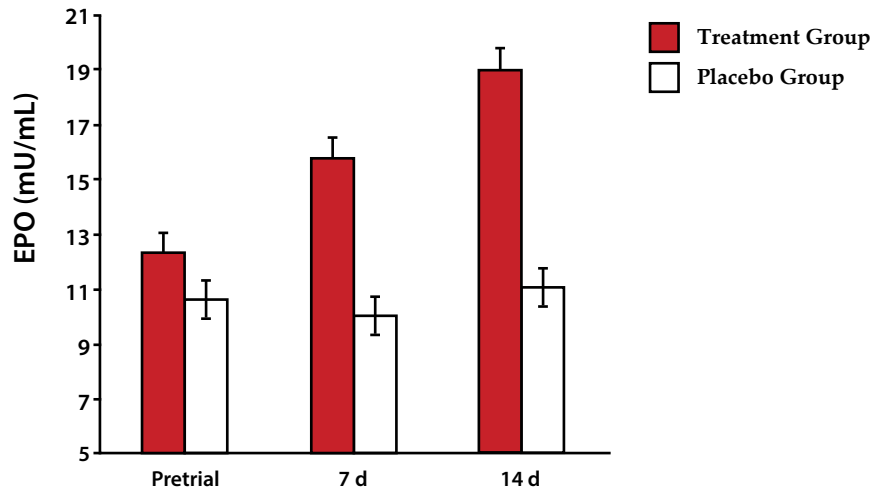
O’Neill Study

Veterinarians at the Equine Research Centre in Canada ran a double-blind trial investigating the blood building properties of the active ingredient in EPO-Equine in eight healthy horses. For 42 days, one group of horses was supplemented with the active ingredient in EPO-Equine and another group of horses was given a placebo. As shown below, the supplemented group showed significant increases in red blood cells and hemoglobin. *O’Neill et al. Equine Vet J. (2002) 34(3):222-227.*



Whitehead Study

A 28-day double-blind placebo-controlled human clinical study was carried out by Dr. Whitehead at the Department of Health and Human Performance Northwestern State University. In that study, healthy human volunteers were administered a strain of the active ingredient in EPO-Equine for four weeks. After two weeks, the group receiving the supplement showed a 90% increase in circulating erythropoietin levels compared to the group receiving a placebo. The supplement group also showed significant improvements in athletic performance (as measured by VO₂max and running economy). *Whitehead et al. Int J Sport Nutr Exerc Metab. (2007) 17:378-9.*



Internal Data

Caster Study

In 2011, Biomedical Research Laboratories commissioned a validation study in 15 healthy thoroughbred horses (2-5 years old). In this study, thoroughbred horses were randomly fed varied amounts (1 scoop, 2 scoops, or 4 scoops) of EPO-Equine daily for 4 weeks. All groups showed increases in red blood cell (RBC) levels compared to baseline levels. A dose response was also observed in this study, animals receiving more scoops of EPO-Equine showed greater increases in red blood cell counts, hemoglobin, and hematocrit. Timed workouts at race tracks showed that all groups had improved race times following EPO-Equine administration, distances run varied from 3 to 6 furlongs.

Conclusion

EPO-Equine is the only natural blood builder for performance horses that has been shown to increase the size and concentration of peripheral red blood cells, and the concentration of hemoglobin and hematocrit. Daily use of EPO-Equine improves parameters of exercise physiology and performance.