



Targeted Nutrition

TECHNICAL REVIEW SHEET

Total Wellness™

Complete performance formula

Formulated to promote the overall health and soundness of all classes of horses.

Over 30 years, Kentucky Equine Research has completed thousands of equine ration evaluations and provided advice to horse owners worldwide on how to best nourish their horses, reduce health problems from modern management practices, and address specific problems.

Based on this experience, the experts at Kentucky Equine Research developed this combination to provide targeted nutritional support for the most commonly identified challenges.

- Increase forage and nutrient digestibility
- Promote joint health
- Protect cells from oxidative damage
- Support optimal hoof, skin, and coat quality

Previously only available as part of the KER Wellness Program after completion of a ration evaluation, Total Wellness is now available to anyone seeking to support their horses' overall health while maintaining a more simplified feeding program that avoids use of several separate products.

**Research Separates the
Innovator From the Imitator.**

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Developed by:

**Kentucky
Equine
Research®**

World Leaders In Equine Nutrition

Increase Forage and Nutrient Digestibility

Horses on low-grain rations obtain the majority of the calories and nutrients in their diets from forage. Therefore, every effort should be made to maximize forage digestibility.

Triad™ fermentation blend, included in Total Wellness, positively affects the microbial population of the horse's hindgut to increase digestibility of nutrients in the ration and decrease digestive disturbances.

Promote Joint Health

Total Wellness is enhanced with glucosamine, chondroitin sulfate, and methylsulfonylmethane (MSM). Glucosamine and chondroitin sulfate play key roles in the synthesis of synovial fluid and the major components of the articular cartilage matrix. Laboratory studies have illustrated the effectiveness of chondroitin sulfate in inhibiting the enzymes associated with inflammation and tissue destruction. MSM, a derivative of dimethyl sulfoxide (DMSO), is a bioavailable source of sulfur and is important in relieving pain and inflammation. All three of these compounds have been provided at optimal levels to support normal joint health.

Protect Cells from Oxidative Damage

Vitamin E functions as a biological antioxidant, preventing the oxidation of unsaturated lipid materials within cellular and subcellular membranes by neutralizing production of free radicals. It is a critically important nutrient for all horses but is especially important for exercise, reproduction, and for horses at risk of certain neurological diseases. Horses with limited access to fresh green forage have a greater need for supplemental vitamin E since the nutrient quickly becomes depleted in stored forages.

Vitamin E can be obtained from natural or synthetic sources but the chemical structure and bioavailability of each is different. Studies conducted at Kentucky Equine Research have shown the natural form of the vitamin to be 56% more bioavailable compared to the synthetic source. The vitamin E found in Total Wellness is a natural source called KER Equine Ester 100™.

Support Optimal Hoof, Skin, and Coat Quality

Total Wellness contains added biotin, a water-soluble B vitamin essential for the maintenance of connective tissue found in skin, hooves, and hair. Ground flax has also been included to provide a source of essential fatty acids, which play a key role in maintaining a healthy hair coat as well as supporting other important systems in the body.

Feeding Directions:

Top-dress 60 g per day on horse's grain ration or 30 g per day for ponies. For best results, split into two feedings. Enclosed scoop holds 30 g.

Container Sizes

4 kg (66 servings), 10 kg (166 servings)

Guaranteed Analysis

Nutrient	per 60 g
Triad™ fermentation blend	15 g
Natural-source vitamin E	1000 IU
Glucosamine	5000 mg
Chondroitin sulfate	1000 mg
MSM	1000 mg
Biotin	5 mg

