



## Triacton™ – Frequently Asked Questions

### 1. What is KER Triacton™?

*KER Triacton™ is a research-proven bone building supplement in an easy to feed, palatable, yeast-based pellet. It is demonstrated by research to improve cannon bone density x 3 and thickness x 2 in exercised horses, as well as improve buffering capacity of the stomach x 2 and hindgut by 54%.*

### 2. When should I use KER Triacton™?

*KER Triacton™ is safe for use in all horses, however, young, growing horses in training, yearlings in sale preparation, horses prone to shin soreness, and those on omeprazole treatment will benefit greatly. Hard working horses who are spelling, either at pasture or on stable confinement should stay on KER Triacton™. Horses suffering from or those at risk of Big Head Disease will also benefit from adding KER Triacton™ to their daily ration.*

### 3. What is the calcium source in KER Triacton™?

*KER Triacton™ uses a source of marine derived calcium, which has been shown to be more highly digestible than other forms of calcium, including calcium carbonate. Calcium carbonate is commonly used as a source of calcium in equine supplements and fortified feeds. However, this form has a limited capacity to regulate or buffer pH in the gastrointestinal tract.*

*Research has demonstrated that the calcium source in KER Triacton™, BMC™ (Buffered Mineral Complex), improves bone density and thickness, as well as having a beneficial buffering effect on the stomach and hindgut.*

*BMC™ is derived from deep sea algae, providing a highly bioavailable and natural source of calcium. It has a unique honeycomb structure, with a high surface area to volume ratio, making it highly bioavailable and effective at buffering gastric and hindgut pH.*



### 4. What is the difference between KER BMC™ and chelated calcium?

*KER BMC™ is a bioavailable source of calcium and additional minerals including magnesium and some trace minerals. Chelated calcium is a form of organic calcium available on the market with no published research to support claims of improved bioavailability over calcium carbonate.*



**5. Kentucky Equine Research has two calcium products, KER Bone Food Plus and KER Triacton™. What is the difference?**

*KER Bone Food Plus provides an economical way to provide additional calcium, phosphorus and some trace minerals and vitamins for horses grazing high-oxalate pastures and those at risk of Big Head Disease, as well as those needing a general bone mineral supplement.*

*KER Triacton™ contains a unique bioavailable source of calcium, plus additional organic trace minerals. KER Triacton™ is research proven to improve bone mineral density, as well as buffer the stomach and hindgut.*

**6. Does KER Triacton™ replace KERx EquiShure in my horse's diet? Can I use KER Triacton™ and KERx EquiShure together?**

*KER Triacton™ does not replace KERx EquiShure, but it can act to support the hindgut environment by providing a buffering action. If a horse is known to suffer from Hindgut Acidosis, then KERx EquiShure is always recommended, as the encapsulation technology provides a prolonged buffering effect in the hind gut. These products are safe to feed together.*

**7. What is the difference between KER Neigh-Lox and KER Triacton™ in terms of buffering for the stomach with horses prone to gastric ulcers?**

*KER Neigh-Lox is a specially formulated product to prevent gastric ulcers containing multiple antacids and coating agents which work synergistically to buffer excess stomach acid and protect the sensitive stomach lining from acid attack. KER Neigh-Lox is recommended for horses at risk of ulcers, or who have completed ulcer treatment and require a preventative.*

*KER Triacton™ is predominantly a bone building product with the added benefit of buffering the stomach and hind gut. The buffering effect is less prolonged than KER Neigh-Lox, so if a horse is known to have ulcers, then KER Neigh-Lox is always recommended. KER Triacton™ is often recommended to be fed before work to buffer the stomach against acid splash. KER Neigh-Lox and KER Triacton™ are safe to be fed together if necessary.*

**8. My horse is currently on Omeprazole, should I be feeding KER Triacton™?**

*Yes! Use of omeprazole to treat gastric ulcers is widespread across the industry, especially horses in training. New research at Kentucky Equine Research has shown horses on omeprazole have reduced absorption of calcium from their diet. Because calcium is a vital substrate for bone growth, it is important to supplement these horses with a bioavailable source of Ca, making KER Triacton™ ideal for horses undergoing ulcer treatment. An additional benefit of feeding KER Triacton™ to horses with gastric ulcers is the proven gastric buffering protection KER Triacton™ provides.*

**9. How long do I need to feed KER Triacton™ before I see a result?**

*For bone benefits, studies show horses receiving KER Triacton™ at 120g per day started to show significant increases in bone density and thickness at 30 days, and at 90 days horses showed a 3x increase in dorsal cortical cannon bone density and 2x increase in cortical bone thickness.*

*For gastric benefits, studies show horses receiving KER Triacton™ at 60g per feed resulted in a 2x gastric buffering affect 1-hour post feeding.*



#### 10. I have a yearling, when should I start feeding KER Triacton™?

*KER Triacton™ is safe to feed to young stock as soon as they begin supplementary feeding in their first year of life. Research on the bone-building effects of KER Triacton™ was in exercised horses, so it is recommended to supplement yearlings when they enter preparation for yearling sales. Benefits of feeding KER Triacton™ to yearlings during sales prep include improved bone mineral density, as well as gastric protection when starting a high grain diet. Many sales companies require respiratory xrays for all yearlings entering a sale. Feeding KER Triacton™ to yearlings in sales prep ensures bioavailable and research-proven bone building nutrients are fed, optimising the chance of strong, healthy bone growth, and good x-rays.*

#### 11. My horse who is currently going out for a spell. Should I continue feeding KER Triacton™?

*Yes. While the KER Triacton™ research was on exercised horses, it is recommended to continue supplementing horses at rest with important bone building minerals, and KER Triacton™ is a good option for this.*

#### 12. I currently use a different supplement for reducing the risk of shin soreness, why should I change to KER Triacton™?

*KER Triacton™ contains the most comprehensive array of bone building nutrients and the only product on the market that is research proven to increase bone mineral density. Horses with shin soreness have reduced bone mineral density. KER Triacton™ is a triple action pellet that not only aides in improving bone density and thickness, but also provides gastric and hindgut buffering. KER Triacton™ supplies a unique source of bioavailable calcium, but also organic copper, manganese and zinc to ensure high bioavailability of other bone building nutrients.*

#### 13. Is KER Triacton™ only for race horses?

*No! KER Triacton™ is safe for use in all horses, however, young, growing horse in training, yearlings entering sale prep, horses prone to shin soreness, and those on omeprazole treatment will benefit greatly.....*

#### 14. Where can I buy KER Triacton™?

*KER Triacton™ is available through your local saddlery or stock feed store. If you can't find it at your local store, contact Kentucky Equine Research on 1800 772 198 and we can direct you to a store that stocks KER Triacton™ near you.*

#### 15. Where can I find more information on the research behind KER Triacton™?

*For more information about KER Triacton™, head to <https://ker.com/bone-health/triacton/> or you can contact the Kentucky Equine Research Nutrition Consultation Service on 1800 772 198 or email [advice@ker.com](mailto:advice@ker.com)*