

Plusvital

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by Science

BREEDING

Bone-Biome



Innovative supplement designed to optimise both bone development and microbiome health in broodmares, foals and young horses in training.



CALCIUM &
PHOSPHOROUS



CALCIFIED
SEAWEED



BETA GLUCANS

plusvital.com



Introducing Plusvital Bone-Biome

Plusvital proudly presents **Bone-Biome**, an innovative supplement designed to optimise both bone development and microbiome health in broodmares, foals, and young horses in training. Backed by the latest scientific research, **Bone-Biome** is set to redefine how breeders and trainers approach equine nutrition, ensuring the best possible start for young horses and continued skeletal and gut health throughout their careers.

THE POWER OF BONE AND BIOME

Bone-Biome is unique in its dual approach—enhancing skeletal integrity while also optimising the microbiome of the broodmare and her offspring. Recent research (Leng et al., 2024) has demonstrated that a more diverse and healthier microbiome in a foal's first year of life directly correlates with greater athletic success, including increased prize money and fewer health-related setbacks. The foal inherits its microbiome from the dam during birth, making maternal gut health crucial for the future success of young horses.

SUPERIOR BONE DEVELOPMENT

Bone-Biome has been formulated with the modern stud diet in mind; 'complete feeds' rather than traditional grain mixes. It delivers optimal levels of essential minerals for skeletal health:

- ▶ **Calcium, Phosphorus and Magnesium** in precise ratios for superior bone development with
- ▶ **Three different calcium sources** to maximise absorption
- ▶ **Highly soluble source of phosphorus** for enhanced digestibility and
- ▶ **Marine derived magnesium** which is highly bioavailable

Bone-Biome offers superior levels of calcium and phosphorus, ensuring better bone density and strength. The inclusion of marine-derived magnesium (from Lithothamnium calcareum) not only helps improve bone mineralisation but also acts as an effective stomach acid neutraliser, supporting overall digestive health.

OPTIMISING THE MICROBIOME FOR HEALTH AND PERFORMANCE

Beyond bone health, **Bone-Biome** plays a critical role in gut health and immunity by incorporating key ingredients, such as Beta-Glucans (1-3, 1-6) for microbiome optimisation:

- ▶ **Enhance hindgut health**, by promoting beneficial bacteria while eliminating harmful microbes
- ▶ **Anti-inflammatory properties** that reduce intestinal permeability (so called, 'leaky gut' syndrome), supporting overall digestive efficiency
- ▶ **Enhanced colostrum and milk quality** for improved immunity in newborn foals
- ▶ **Better feed conversion and nutrient absorption** for optimal growth rates in young horses

VERSATILE APPLICATIONS FOR EVERY STAGE OF DEVELOPMENT

Bone-Biome is much more than just a broodmare supplement providing bone and gut health benefits to the mare and foal in late gestation and early lactation. Its benefits extend well beyond early development, and it can also be used for:

- ▶ **Young growing foals and weanlings**, to maintain strong skeletal growth and a robust microbiome
- ▶ **Young horses entering training**, supporting bone remodelling as exercise intensity increases and optimising immunity during the environmental transition
- ▶ **Horses in sales preparation**, optimising skeletal integrity, immunity, and coat health for peak presentation
- ▶ **Performance horses**, aiding bone integrity, gut stability, and immune function during intense competition and travel

COST-EFFECTIVE AND EFFICIENT

Bone-Biome offers a lower daily dose than Breeding Robust (100g for weanlings / yearlings, 150g for broodmares / adults on complete feeds), making it a cost-effective option while delivering a superior formulation. For those feeding traditional oat-based diets, **Bone-Biome** can be complemented with Breeding Syrup to meet daily vitamin and trace mineral requirements.

THE FUTURE OF EQUINE NUTRITION

Bone-Biome sets a new standard in equine supplementation, combining cutting-edge nutritional science with practical application to give every horse the strongest foundation for success. By addressing both bone and gut health in a single formulation, **Bone-Biome** ensures that horses can achieve their full potential, from foal-hood to the racetrack and beyond. Experience the next evolution in equine nutrition with Plusvital Bone-Biome—the supplement designed for future champions!

AVAILABLE SIZES

SUITABLE FOR BROODMARES,
ADULT HORSES, FOALS AND WEANLINGS



Broodmare & Adult Horses

LASTS 66 DAYS

Foals & Weanlings

LASTS 100 DAYS



Broodmare & Adult Horses

LASTS 33 DAYS

Foals & Weanlings

LASTS 50 DAYS