



Formulated by physicians
from Harvard, Connell, MIT
and Bastyr

DELIVERING HEALTH

www.nbihealth.com

Why Osteo-K® and Osteo-K Minis Shatter the Competition

How does your calcium supplement compare?

Based on recommended daily usage.*

	OSTEO-K	OSTEO-K MINIS	CITRACAL MAXIMUM	BONE-UP	VIACTIV	CALTRATE
						
Calcium (all forms)	1000 mg (as calcium citrate)	400 mg (as calcium citrate)	630 mg	1000 mg	1000 mg	1200 mg
Vitamin D3	50 mcg (2000 IU)	50 mcg (2000 IU)	12.5 mcg (500 IU)	25 mcg (1000 IU)	10 mcg (400 IU)	20 mcg (800 IU)
Vitamin K2 (as MK4™)	45 mg	45 mg	—	—	—	—
Vitamin K2 (as MK7)**	—	—	—	10 mcg	—	—
Vitamin K1** (phylloquinone)	—	—	—	100 mcg	80 mcg	—
Magnesium	—	—	—	500 mg (oxide)†	—	—
Boron	—	—	—	3 mg	—	—
Fracture reduction‡	Up to 80%	Up to 80%	16%	16%	16%	16%

*Fracture Reduction. Most dietary supplements contain ingredients that have never been shown to decrease fractures and inferior forms of ingredients that the body cannot absorb and use. Calcium and vitamin D have only been shown to decrease fractures by about 16%. However, research shows that when MK4 is included as an osteoporosis supplement it may decrease fractures by up to 80%. Other ingredients, such as MK7, magnesium and boron in osteoporosis supplements have never been shown to reduce fractures in human clinical trials.

**MK7 and Vitamin K1. Bone health supplements that use MK7 are using an ingredient that has never been shown in any clinical trial to reduce fractures. Additionally, while MK4 is naturally produced in the body, MK7 is not. Nonetheless, this inferior form of vitamin K2 is what most manufacturers put in their calcium supplements when they contain vitamin K2.

Vitamin K1 is naturally found in green leafy vegetables. Research confirms that a diet high in green leafy vegetables may decrease fractures, but there are no clinical trials showing fracture reduction from taking a calcium supplement containing vitamin K1.

†Oxide minerals. The "oxide" form of minerals, such as magnesium, is an inferior form of mineral. The body can only absorb 2% of the magnesium when it's in the oxide form. Even though it says you're getting 500 mg magnesium, your body can only absorb about 10 mg. The rest passes right through you and out your stool.

References: Effect of menatetrenone on bone mineral density and incidence of vertebral fractures in postmenopausal women with osteoporosis, by Iwamoto J, Takeda T, Ichimura S. Journal of Orthopaedic Science. 2001;6(6):487-492. Vitamin K and the Prevention of Fractures: Systematic Review and Meta-analysis of Randomized Controlled Trials, by Cockayne S, Adamson J, et al. Arch Intern Med. 2006;166(12):1256-1261. Vitamin D and Calcium Supplementation Prevents Osteoporotic Fractures in Elderly Community Dwelling Residents: A Pragmatic Population-Based 3-Year Intervention Study, by Larsen ER, Mosekilde L, et al. Journal of Bone and Mineral Research. 2004;19(3):370-378. Vitamin K2 (Menatetrenone) Effectively Prevents Fractures and Sustains Lumbar Bone Mineral Density in Osteoporosis, by Shiraki M, Shiraki Y, et al. Journal of Bone and Mineral Research. 2000;15(3):515-522.

*These statements have not been evaluated by the FDA. These products are not intended to diagnose, treat, cure, or prevent any disease.