

# Targeted Collagen Peptides



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Collagen comprises almost 30% of the total protein content in the human body and it is the major structural component of skin, hair, nails, joints and bones. A plethora of evidence has suggested that the integrity of these tissues can be maintained or improved through supplementation. However, not all collagen supplements are created equal.

There are two factors that allow collagen supplements to selectively target and promote collagen production in specific tissues. The first factor is the molecular weight of the collagen peptide chain and the second factor is the specific amino acid sequence. If these factors are properly isolated and matched, then the supplemental collagen peptide will directly stimulate localized endogenous collagen production. This can stimulate, for example, fibroblast collagen production in the skin or osteoblast collagen production to promote bone health.

Cyto-Matrix offers a variety of collagen peptide blends with clinical evidence to support your patients' needs. All Cyto-Matrix Collagen Peptides have the following benefits:

- **Specificity:** Standardization to specific molecular weights and amino sequences allows peptides to stimulate targeted collagen product by signalling local receptors.
- **Stability:** Proline is located at or near the carboxylic end of each peptide to better resist the action of digestive enzymes through strong bonds. This allows ~10% of peptides to be absorbed intact and used at the cellular level.
- **Sourcing:** Type I and III collagen from Brazilian and European, pasture-raised, grass-fed cattle. These peptides are certified Kosher, certified Halal and guaranteed free from gluten, wheat, dairy, soy and eggs.
- **Taste:** All powdered blends are unsweetened, unflavored and easy to blend. The Dermal liquid formula is naturally sweetened and orange flavored.



### Dermal Collagen Peptides

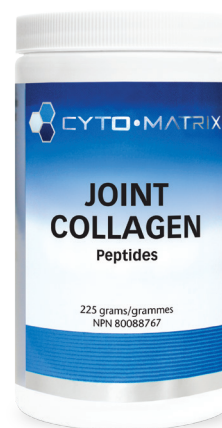
2 kDa

2.5 grams per day has been demonstrated to:

- Visibly reduce fine facial wrinkles after 28 days
- Increase skin elasticity by 18% and increase collagen content of skin by 65% in 28 days
- Reduce nail chipping, nail peeling and nail edge irregularity after 2 months

5-10 grams per day has been demonstrated to improve post-surgical wound healing after 45-90 days

Available as a natural orange-flavored liquid (450 mL bottle) or as an unflavored powder (300-gram container)



### Joint Collagen Peptides

3 kDa

- 5 grams per day has been demonstrated to improve activity-related knee pain and flexibility in healthy athletes after 6 weeks
- Reduces knee and hip pain during movement and at rest in middle-aged individuals after 12 weeks

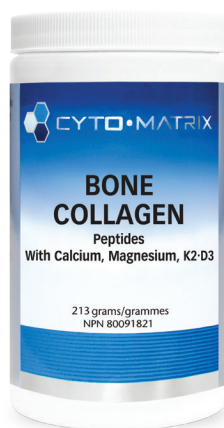
Available in a 225-gram container



### Complete Collagen Peptides

- Designed to provide a blend of evidence-based collagen peptides for general use and support of healthy tissues that require collagen
- Indicated for general support across skin, nails, joints, tendons, ligaments, muscles and bone

Available in a 250-gram container



### Bone Collagen Peptides

5 kDa

- 5 grams per day has been demonstrated to significantly increase bone mineral density and collagen content in postmenopausal women after 12 months
- Additional calcium bisglycinate, magnesium bisglycinate, vitamin K2 MK-7 and vitamin D3 added for improved bone support

Available in a 213-gram container

Collagen production and repair requires a number of nutrients in addition to amino acids. Consider these products for adjunctive or alternative collagen support:

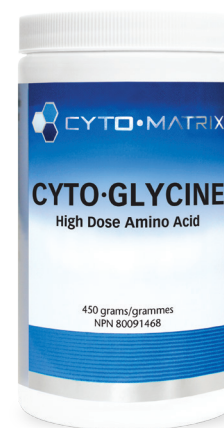


### Cyto·C

1000mg ascorbic acid per vegetable capsule

- Vitamin C is a necessary co-factor for the hydroxylation of collagen and helps to give collagen its notable triple-helix structure
- A simple, clean solution for high-dose vitamin C protocols

240 vegetable capsules



### Cyto·Glycine

1.8g L-glycine per scoop

- 1/3 of amino acids in collagen fibrils are comprised of the amino acid glycine
- This pure, fermented glycine powder offers a vegan friendly alternative to collagen peptides, for those that cannot consume nutrients derived from animal sources
- Naturally sweet tasting, can be used in baking and cooking

Available in a 450-gram container



### A·C·E·S· + Zinc

Formulated with beta-carotene, vitamins C & E, selenium, and zinc

- Evidence-based vitamins and minerals in well-absorbed and stable forms for complete antioxidant support
- Indicated for immunity, skin health, tissue healing, male fertility and hormonal support

60/120 vegetable capsules



### Active A·C·E·S· + Zinc

Active vitamin A, C, mixed tocopherols, selenium, and zinc in chelated forms

- Upgraded formula provides vitamin A in its active all-trans retinyl palmitate form, a mixed tocopherol blend and fully chelated bis-glycinate minerals
- Antioxidant support for healthy immunity, skin health, tissue healing, male fertility, thyroid function and hormone balancing

60/120 vegetable capsules



### MMST Silicon

10mg elemental silicon, 2.5mg biotin per capsule

- Silicon is a necessary co-factor for the hydroxylation of collagen peptides
- Features monomethylsilanetriol (MMST) from Nova Scotian quartz, the most stable and highly bioavailable source of silicon
- Biotin helps increase nail thickness and reduce nail splitting
- Indicated as an adjunctive treatment and vegan alternative to collagen peptides

60 vegetable capsules

