



# Expedite has the power of specific collagen dipeptides to fuel collagen production.

Expedite is a once-a-day, 2-fluid-ounce nutrition intervention to support wound healing containing a highly concentrated blend of the collagen dipeptides prolyl-hydroxyproline (PO) and hydroxyprolyl glycine (OG) plus L-citrulline. These highly active ingredients were carefully selected based on current research to support wound healing.

**STEP 1: CONSUMPTION-** The 2-fluid-ounce, once per day drink is manageable for both patients and caregivers.

**STEP 2: ABSORPTION-** Expedite is readily absorbed in the gut to reach the wound site. PO and OG can circulate in the bloodstream for more than 4 hours post-ingestion.

**STEP 3: DISTRIBUTION-** Expedite reaches the wound site with 30 times the PO and OG content when compared to standard collagen supplements.

**STEP 4: PROLIFERATION-** PO and OG accumulate in the skin where they stimulate fibroblasts to produce dermal extracellular matrix components. Expedite directly affects the proliferative stage of wound healing by stimulating receptors in fibroblasts to produce new collagen.

## Plus L-Citrulline for the next generation way to stimulate nitric oxide production



L-citrulline is the more efficient and more powerful way to stimulate nitric oxide production when compared to supplemental arginine.

- L-citrulline is easily absorbed unchanged while ingested L-arginine undergoes first-pass metabolism where 40% is filtered and removed
- L-citrulline is converted to bioavailable arginine in the kidneys
- Arginine stimulates the production of nitric oxide, bringing blood flow to the wound site

### DOSAGE & ADMINISTRATION

**Oral:** Take 1 bottle daily or as directed by a healthcare professional.

**Tube Feeding:** Flush tube with 30 mL of water before and after administration. Dilute 1 serving with 30mL of water. Draw into syringe and administer.

**Do not mix with tube feeding formula.**

**Not a sole source of nutrition.**

**Not for parenteral use. USE UNDER MEDICAL SUPERVISION.**

Gluten and Lactose free.

1. Sugihara F, Inoue N, Venkateswarathirukumara S. Ingestion of bioactive collagen hydrolysates enhanced pressure ulcer healing in a randomized double-blind placebo-controlled clinical study. *Sci Rep.* 2018;8(1):11403. Published 2018 Jul 30. doi:10.1038/s41598-018-29831-7

Inoue N, Sugihara F, Wang X. Ingestion of bioactive collagen hydrolysates enhance facial skin moisture and elasticity and reduce facial ageing signs in a randomized double-blind placebo-controlled clinical study. *J Sci Food Agric.* 2016 Sep;96(12):4077-81. doi: 10.1002/jsfa.7606. Epub 2016 Feb 10. PMID: 26840887.

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