## The new era of wound healing is here. More than nutrition, Medtrition pedite - Therapeutic Nutrition Supports Wound Healing A Medical Food Concentrated collagen dipeptides to support colla L-CITRULLINE Peach Mando Net 2 floz (60 mL) **Powder Pack** Carton Shake Can The Past The Present

Expedite leaves powdered wound healing products in the dust.

## Expedite is shown to work

74.4% 71.8% A 2018 16-week double **PSST Score PUSH Score** blind multi-center trial 48.8.% Percent of Percent of participants who participants who with 112 participants achieved a 5 achieved a 3 26.2% point or greater point or greater showed improvement in 21.4% 19.0% improvement in improvement in the the PSST score PUSH score wound healing. PLACEBO STANDARD COLLAGEN COLLAGEN PLACEBO STANDARD COLLAGEN USED IN EXPEDITE COLLAGEN USED IN EXPEDITE

> More than nutrition, Medtrition®

Published results from a randomized double-blind, placebo controlled clinical study.<sup>1</sup>

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

Expedite is a once-a-day, 2-fluidounce 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



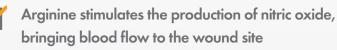
L-citrulline is the more efficient and more powerful way to stimulate nitric oxide production when compared to supplemental arginine.



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



## **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.

Sugihara, Fumihito & Inoue, N. & Wang, X. (2015). Clinical effects of ingesting collagen hydrolysate on facial skin properties: A randomized, placebo-controlled, double-blind trial. Japanese Pharmacology and Therapeutics. 43. 67-70.

Kimira, Yoshifumi & Ogura, Kana & Taniuchi, Yuri & Kataoka, Aya & Inoue, Naoki & Sugihara, Fumihito & Nakatani, Sachie & Shimizu, Jun & Wada, Masahiro & Mano, Hiroshi. (2014). Collagen-derived dipeptide prolyl-hydroxyproline promotes differentiation of MC3T3-E1 osteoblastic cells. Biochemical and Biophysical Research Communications. 453. 10.1016/j.bbrc.2014.09.121.



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