

# Juven<sup>®</sup>

## Therapeutic nutrition powder for wound healing

JUVEN has been clinically shown to support wound healing by enhancing collagen formation in as little as 2 weeks,<sup>\*1,2</sup> and to help build and maintain lean body mass (LBM) in 4 weeks.<sup>†,3</sup> Recommend two packets per day. Administer orally or as a modular via feeding tube; use in addition to a complete, balanced diet. Use under medical supervision.



\* In both healthy elderly and patients with diabetic foot ulcers, taking 2 servings per day, as measured by hydroxyproline levels.

† Williams JZ, et al. Ann Surg. 2002;236:369-375.

† In patients with cancer cachexia.

<sup>2</sup> Jones, et al. Surg Infect, 2014; 15(6):708-712.

<sup>3</sup> May PE, et al. Am J Surg. 2002;183:471-479.

### Features

- Arginine – supports blood flow and is a building block for proteins, which can contribute to wound healing.<sup>4,5</sup>
- Glutamine – involved in fibroblastic formation of collagen and supports the immune system.<sup>6,7</sup>
- CaHMB (calcium β-hydroxy-β-methylbutyrate) – a metabolite of leucine that helps produce new tissue by slowing down muscle breakdown and stabilizing muscle cell membranes.<sup>8</sup>
- Collagen protein – shown to help stimulate internal collagen production.<sup>9</sup>
- Micronutrients (vitamins C, E, & B12 and zinc) - important nutrients for the wound healing process.
- Best when mixed at room temperature.
- Lactose-free.
- Kosher.
- Gluten-free.

<sup>4</sup> Stechmiller JK, et al. Nutr Clin Pract. 2005;20:52-61.

<sup>5</sup> Preli RB, et al. Atherosclerosis. 2002;162:1-15.

<sup>6</sup> Bellon G, et al. Biochim Biophys Acta. 1995;1268:311-323.

<sup>7</sup> Andrews FJ British J Nutr 2002; 87(Suppl. 1): S3-S8.

<sup>8</sup> Clark RH, et al. JPEN J Parenter Enteral Nutr. 2000;24:133-139.

<sup>9</sup> Sibilla S, et al. The Open Nutraceuticals Journal. 2015;(8):29-42.

### Safety Precautions

- Not for sole-source nutrition.
- Not for IV use.

### Availability

List Number	Item
66693	Juven Orange / 0.97 oz (27.5 g) Packet / 30 ct
66689	Juven Orange / 0.97 oz (27.5 g) Packet / 6 x 8 ct
66674	Juven Orange / 0.97 oz (27.5 g) Packet / 6 x 30 ct

Ingredients

Orange Powder

L-Glutamine, L-Arginine, Citric Acid, Hydrolyzed Beef Collagen, Sugar, Calcium Beta-Hydroxy-Beta-Methylbutyrate, Natural & Artificial Flavor, Ascorbic Acid, dl-Alpha-TocopherylAcetate, Aspartame, Zinc Sulfate, Acesulfame Potassium, Yellow 6, and Vitamin B12.

Phenylketonurics: Contains phenylalanine.

Nutrition Information

	27.5 g (1 Packet)	
	Value	%DV
Calories	90	
L-Arginine, g	7	
L-Glutamine, g	7	
Protein (Collagen), g	2.5	
Carbohydrate, g	8.4	
Sugars, g	2	
Vitamin C, mg	300	
Vitamin E, mg	15	
Vitamin B12, mcg	1.2	
Calcium, mg	200	
Zinc, mg	9.5	
Calcium Beta-hydroxy-Beta-methylbutyrate, g	1.5	

\*Nutritional content will vary when mixed with food, juice or other beverage

Preparation

Instructions for Use:

- Drink 2 packets daily between meals.
- Mix contents of packet with 8 to 10 fl oz of juice or water.