



LYONS VITAL CUISINE® L-Emental® Arginine Supplement Mix

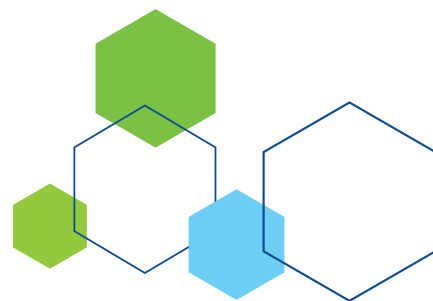


Nutrition for Healing

Lyons Vital Cuisine®L-Emental ®Arginine Supplement Mix is a blend of Arginine, Vitamin C, Vitamin E, and Zinc which may help in maintaining skin integrity. Arginine becomes conditionally essential during times of metabolic stress. It can be used for dietary management of pressure injury patients.

Each year, over 2.5 million people in the US develop pressure injuries.¹ **Lyons Vital Cuisine®L-Emental® Arginine Supplement Mix** is specifically designed to assist with the dietary management of patients to prevent skin breakdown or to help with pressure sore healing.

L-Arginine is an amino acid that is high in nitrogen which helps the body build protein. Under normal circumstances, the body makes the arginine that it needs which it uses for wound healing, to help the kidneys remove wastes from the body, to maintain immune and hormone function, as well as to dilate and relax arteries. L-Arginine is known to help with collagen formation.





LYONS VITAL CUISINE® L-EMENTAL® ARGININE SUPPLEMENT MIX

FEATURES

- 4.5g L-Arginine
- 8 mg Zinc = 73% DV
- 150 mg Vitamin C = 167% DV
- 36 mg Vitamin E = 240 % DV
- Packaged in one serving packets
- Available in Orange flavor

BENEFITS

- May help in healing or to maintain skin integrity
- Fortified with Vitamin C and E for antioxidant properties
- Easy mixing with water, juice, carbonated beverages or other clear liquids
- Nutrition and hydration with each serving of L-Emental when mixed with 6 or 8 oz liquid

Conditions and situations that may contribute to pressure injuries:

- Co-morbidities (diabetes, obesity, malnutrition)
- Medications (steroids, non-steroidal anti-inflammatory drugs or NSAIDS, anti-rejection medications)
- Oncology interventions (radiation, chemotherapy)
- Lifestyle habit (smoking, alcohol abuse)



Use of the amino acid arginine as part of an overall protein supplementation via an oral nutrition supplement (ONS) above normal dietary protein intake is suggested for consideration to support pressure injury (PI) healing as mentioned in the well known 2019 International Pressure Injury clinical practice guidelines (CPGs) from EPUAP/NPIAP/PPPIA.

Quick Reference Guide (QRG) Abridged Guideline
<https://bit.ly/2O6olzd>



TYPES OF SKIN ULCERS

ARTERIAL ULCERS are painful injuries in your skin caused by poor circulation. Arterial ulcers typically happen when blood is unable to flow into the lower extremities, like the legs and feet. When the skin and underlying tissue are deprived of oxygen, the tissue starts to die off and form an open wound. Arterial ulcers usually have well defined margins.²

VENOUS ULCERS are leg ulcers caused by problems with blood flow in your leg veins. Venous ulcers happen when valves inside the leg veins are damaged. Because the valves are not working correctly, the blood pressure in the leg is not allowed to drop as it should when a person stands up, and the increase in blood pressure causes ulcers on the ankles. Venous ulcers can also be caused by varicose veins and chronic venous insufficiency.³

DIABETIC ULCERS are commonly found on the ankles and feet of people that have diabetes. Diabetes damages the nerves and blood vessels of the feet which causes numbness or reduced feeling. Injuries happen more often and may go unnoticed which in turn can cause ongoing issues. Foot ulcers are usually caused by too much pressure on one part of the foot.⁴

PRESSURE ULCERS are injuries to the skin and tissue from pressure associated with limited mobility such as being wheel chair bound or bedridden. They develop when the blood supply is cut off to the skin and the skin starts to die. Pressure injuries most often are found on the skin that covers bony areas of the body, such as the tailbone, hips, heels or ankles, backs or sides of knees, shoulder blades, or back of the head.⁵

BURN INJURIES Arginine has been shown to improve wound healing of epidermal burns. The amino acid may be vital in regulating tissue growth and repair.⁶

PRODUCT INFORMATION

SHELF STABLE	Item Number	Serving Size	Case Pack	Calories	Fat grams	Sodium mg	Carb. grams	Vitamin C mg	Vitamin E mg	Zinc mg	L-Arginine grams	Kosher
LYONS VITAL CUISINE® L-EMENTAL® Arginine Supplement Mix												
Arginine Supplement Mix - Orange	41057 ¹	1 packet	50/10.3g	30	1	5	1	150	36	8	4.5	Ⓚ

¹HCPCS code B4155

Source: ¹Dan Berlowitz, et al., 2022 ² Johns Hopkins Medicine, 2022 ³Brennen, MD, 2021 ⁴ Venous Ulcers, 2022 ⁵ National Library of Medicine, 2022

⁶ McKay, T.B.; Priyadarsini, S.; Rowsey, T.; Karamichos, D. Arginine Supplementation Promotes Extracellular Matrix and Metabolic Changes in Keratoconus. Cells 2021, 10, 2076. <https://doi.org/10.3390/cells10082076>

**Pressure Injuries are also referred to as pressure ulcers or pressure sores