

# Proven Surgical Nutrition

The IMPACT® Family of Immunonutrition Formulas have **more data in more types of surgery with more positive outcomes** than any other immunonutrition formula. When starting a perioperative nutrition protocol, use a proven formula.<sup>1,2</sup> **Use IMPACT® formulas.**



## IMPACT Advanced Recovery® Immunonutrition Drink



## ENSURE® Surgery Immunonutrition Shake

Evidence	Contains the most evidence-based blend of immunonutrients; studied in more than 40 RCTs and multiple Enhanced Recovery Protocols. <sup>1-7</sup>	No peer-reviewed studies of Ensure® Surgery were found in the literature.
Serving Size	8.45 fl oz (250 mL)	8 fl oz (237 mL)
Calories	280	330
Total Protein	26 g	18 g
Supplemental Immunonutrient Blend		
L-arginine	6.3 g	4.2 g
Omega-3 Fatty Acids (EPA+DHA)	1.65 g	1.1 g
Dietary Nucleotides	645 mg	0 mg
	<p>1. Are the building blocks of DNA and RNA<sup>8</sup></p> <p>2. Become indispensable in stressed states<sup>8,9</sup></p> <p>3. Are essential for rapidly replicating cells (T-lymphocytes and enterocytes) to help support immune function.<sup>9,10</sup></p> <p>In a meta-analysis, use of arginine-supplemented formulas that lacked supplementation of dietary nucleotides, did NOT make a significant difference in clinical outcomes versus standard nutrition.<sup>2</sup></p>	
Carbohydrate	20 g	45 g
	<p>Carbohydrate controlled formula helps support blood glucose management.</p> <p>Hyperglycemia increases the risk of infection post-operatively for people with and without diabetes. 30% of postop hyperglycemic episodes were found in patients without diabetes.<sup>11</sup></p>	
Recommended Protocol	2 cartons per day for 5 days before and at least 5 days after surgery	2-3 cartons per day for 5-7 days before and after surgery
	The IMPACT Advanced Recovery® Drink protocol provides 7.1 fl oz (211 mL) less volume per day when 2 cartons are compared with 3 cartons of Ensure® Surgery Shake.	

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4. Alito Aprelino M & de Aguilar-Nascimento JE. *Nutr J* 2016;15:1-7.
5. Hamilton-Reeves JM et al. *Euro Urol* 2016;69(3):389-392.
6. Robinson LA et al. *J Thorac Cardiovasc Surg* 2020; on-line ahead of print.
7. Majumder A et al. *J Am Coll Surg* 2016;222:1106-1115.
8. Hess JR and Greenberg NA. *NCP* 2012;27(2):281-294.
9. Santora and Kozar et al. *J Surg Res* 2010;161:288-294.
10. Gil A. *Eur J Clin Nutr* 2002;56(Suppl 3):S1.
11. Kwon S et al. *Ann Surg* 2013;257:8-14.

This summary is provided for comparison purposes only; not all clinical considerations are included.

This document is not intended to be a substitute for clinical judgment. For specific product information, please consult the manufacturer.

For assistance in product selection, call Nestlé at 1-800-422-2752 or visit [www.NestleMedicalHub.com](http://www.NestleMedicalHub.com)

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