

Fresubin® 3.2 kcal Drink is the only high protein¹ ONS* to contain a collagen hydrolysate protein blend

Collagen hydrolysate has been shown to improve
pressure ulcer healing time²



20 g of protein
per 125 ml



3.2 kcal/ml
- high energy density



No additional PCRS
approval needed



Low volume - 125 ml



Contains a full range of
micronutrients including
zinc, vitamin D and arginine



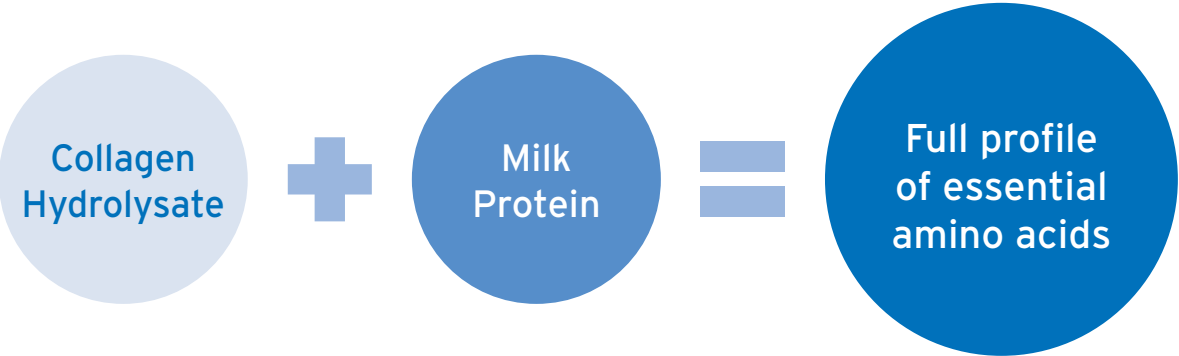
95-96% patient
compliance^{3,4}



Can be taken as a shot
- 3 x 40 ml per day



The importance of nutrition in wound healing

Fresubin® 3.2 kcal Drink contains a unique protein blend



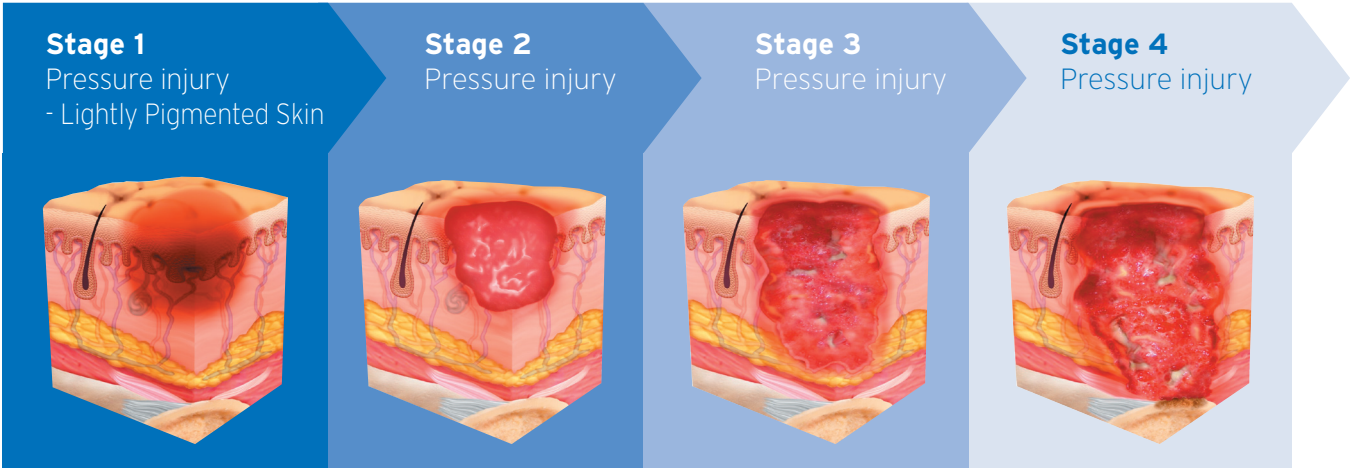
A 2009 study of 89 long term care facility resident patient with stage II, III, and IV pressure ulcers found that pressure ulcer healing time in the treatment group, who received a daily oral collagen hydrolysate supplement, was twice the rate, compared with the control group receiving a placebo².

Low volume / high protein and wound care ONS* - product comparison⁵

	Fortisip® Compact Protein	Cubitan®	Fresubin® 3.2 kcal Drink
Volume	125 ml	200 ml	125 ml
Protein (g) per 100 ml	14.4 g	8.8 g	16 g  Highest (g) protein / ml
Energy (kcal) per 100 ml	245	124	320  Highest kcal / ml

*Oral nutritional supplement.

National Pressure Ulcer Advisory Panel Guide to pressure ulcers stages 1-4⁶



The role of high protein ONS, specifically those containing arginine and micronutrients, in the dietary management of pressure ulcers, has been recognised in the 2018 HSE Wound Management Guidelines with the following recommendation⁷:

92.6 Consider using a supplement that contains high protein, arginine and micronutrients for adults who are malnourished with a pressure ulcer Category/Stage III or IV or multiple ulcers for at least 8 weeks.

HSE Recommendation Evidence Grade A

Fresubin® 3.2 kcal Drink contains a full range of micronutrients including zinc, vitamin C and arginine



Zinc per 100 ml	3.5 mg
Vitamic C per 100 ml	41.6 mg
Arginine per 100 ml	1.05 g

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The only high protein ONS* to contain a collagen hydrolysate protein blend



*Oral nutritional supplement. Excludes high protein modular supplements and shots.

References

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2. Lee et al. Pressure ulcer healing with a concentrated, fortified, collagen protein hydrolysate supplement: a randomized controlled trial. Adv Skin Wound Care. 2006; 2006; 19(2): 92-6
3. Koch C et al. New High Protein and High Energy Oral Nutritional Supplement for Compliance and Tolerance in Elderly Care. Clin Nutr 2017;36:S268
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5. Nutricia.ie Accessed April 2023
6. Edsberg LE et al. Revised National Pressure Ulcer Advisory Panel Pressure Injury Staging System: Revised Pressure Injury Staging System. J Wound Ostomy Continence Nurs. 2016 Nov/Dec;43(6):585-597. doi: 10.1097/WON.0000000000000281. PMID: 27749790; PMCID: PMC5098472.
7. HSE National Wound Management Guidelines 2018. Health Service Executive (HSE). Office of the Nursing & Midwifery Service Director (2018)



**FRESENIUS
KABI**

caring for life

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