

# OPTIMENTAL<sup>®</sup>

## OPTIMENTAL READY-TO-FEED ELEMENTAL



### USAGE

**OPTIMENTAL<sup>®</sup>** is a ready-to-feed elemental formula containing a specialized protein system, structured lipids, fructooligosaccharides (FOS), and elevated levels of antioxidants. It is scientifically designed for the dietary management of people with malabsorptive conditions, such as:

- Metabolic stress and acute trauma
- Crohn's disease
- Short-bowel syndrome

### FEATURES

- Complete, balanced nutrition
- For supplemental or as a sole source of nutrition
- For oral or tube feeding
- Contains EPA (2.3 g/L) and DHA (1.0g/L) to help modulate inflammation and support immune function<sup>1</sup>
- Structured lipid system combines medium-chain triglycerides (MCTs) with eicosapentaenoic acid (EPA) for increased absorption of omega-3 fatty acids
- Supplemented in L-arginine (total arginine: 3.6 g/L)
- Contains elevated levels of antioxidants: vitamins C and E, and beta-carotene
- Lactose- and gluten-free
- Low residue
- FOS to stimulate the growth of beneficial GI bacteria in the colon
- Macro 3<sup>TM</sup> for tolerance: An advanced blend of hydrolyzed protein, structured lipid and prebiotic (NutraFlora<sup>®</sup> scFOS<sup>®</sup>) to promote tolerance and absorption

### NUTRIENT FACTS

Nutrient density (Cal/mL)	1.0
Protein (% Cal)	20.6
Carbohydrate (% Cal)	54.4
Fat (% Cal)	25.0
Total Cal/g nitrogen	122:1
Nonprotein Cal/g nitrogen	97:1
Water (g/L)	831
Kosher	No
Gluten-free	Yes
Lactose-free	Yes
Low residue	Yes
Osmolality (mOsm/kg water)	585
Min. tube size for gravity/ pump feeding (Fr)	8/5
Renal solute load (mOsm/L)	419

### AVAILABILITY

#### Ready to Use:

237-mL cans, 24/case: Vanilla #54638-825

#### REFERENCE:

1. Kenler AS et al: Early enteral feeding in postsurgical cancer patients: Fish oil structured lipid-based polymeric formula versus a standard polymeric formula. *Ann Surg* 1996;223(3):316-33.

**Per 100 mL Per 237 mL Per 1000 mL**
**ENERGY**

Kilojoules	420	995	4200
Calories	100	237	1000
PROTEIN (g)	5.1	12.2	51
% of total energy	20.6%		
Source	Whey protein hydrolysate, partially hydrolysed sodium caseinate and free arginine		
FAT (g)	2.8	6.7	28
Polyunsaturated fatty acids (g)	0.97	2.30	9.7
Monounsaturated fatty acids (g)	0.55	1.3	5.50
Saturated fatty acids (g)	1.01	2.4	10.12
Omega 6:Omega 3 ratio	1.88:1		
Cholesterol (mg)	< 3	< 7.11	< 30
Marine / MCT structured lipid oil	60%		
% of total energy	25.0%		
Source	Structured lipid (interesterified marine oil & MCT), canola & soybean oils		
CARBOHYDRATE (g)	13.9	32.9	139
% of total energy	54.4%		
Source	Corn maltodextrin, sucrose and FOS (Fructooligosaccharides)		
FOS (g)	0.5	1.2	5.0

**VITAMINS**

Vitamin A (RE/IU)	247/823	586/1950*	2471/8228
Vitamin D <sub>3</sub> (µg/IU)	0.7/28	1.7/67	7/280
Vitamin E (mg/IU)	15/21	37/50	155/210
Vitamin K <sub>1</sub> (mg)	0.008	0.020	0.080
Vitamin C (mg)	21	50	210
Thiamine (mg)	0.21	0.50	2.1
Riboflavin (mg)	0.24	0.57	2.4
Niacin (mg)	2.8	6.7	28
Vitamin B <sub>6</sub> (mg)	0.28	0.67	2.8
Vitamin B <sub>12</sub> (mg)	0.0008	0.002	0.008
Folic acid (mg)	0.057	0.135	0.570
Pantothenic acid (mg)	1.4	3.4	14
Biotin (mg)	0.042	0.100	0.42
Choline (mg)	42	100	420

\*1115 IU of vitamin A activity supplied by 0.84 mg of β-carotene

**MINERALS**

Calcium (mg)	106	250	1060
Phosphorus (mg)	106	250	1060
Magnesium (mg)	42	100	420
Iron (mg)	1.3	3.0	13
Zinc (mg)	1.6	3.8	16
Copper (mg)	0.14	0.34	1.4
Iodine (mg)	0.016	0.038	0.160
Manganese (mg)	0.35	0.84	3.5
Selenium (mg)	0.005	0.012	0.050
Chromium (mg)	0.008	0.020	0.08
Molybdenum (mg)	0.010	0.025	0.10
Sodium (mg)	112	265	1118
Sodium (mmol)	4.9	11.5	48.6
Potassium (mg)	171	405	1709
Potassium (mmol)	4.4	10.4	43.8
Chloride (mg)	120	285	1203
Chloride (mmol)	3.4	8.0	33.9
Taurine (mg)	10.6	25	106
L-carnitine (mg)	10.6	25	106

**INGREDIENTS**

Water, corn maltodextrin, sugar (sucrose), whey protein hydrolysate, structured lipid (interesterified marine oil and medium-chain triglycerides), partially hydrolyzed sodium caseinate, fructooligosaccharides, canola oil, soybean oil, calcium phosphate, natural and artificial flavour, L-arginine, sodium citrate, cellulose gel, magnesium phosphate, diacetyl tartaric acid esters of mono-diglycerides, magnesium chloride, potassium citrate, ascorbic acid, choline chloride, cellulose gum, *dl*-α-tocopheryl acetate, taurine, L-carnitine, zinc sulphate, ferrous sulphate, niacinamide, calcium pantothenate, manganese sulphate, thiamine chloride hydrochloride, pyridoxine hydrochloride, beta-carotene, riboflavin, cupric sulphate, vitamin A palmitate, folic acid, biotin, potassium iodide, sodium selenate, phyloquinone, cyanocobalamin, vitamin D<sub>3</sub>.

**OPTIMENTAL®**  
OPTIMENTAL READY-TO-FEED ELEMENTAL

