

Pulmocare

1.5 kcal/ml complete, balanced, high fat/low carbohydrate liquid

PRESENTATION

- Presented in 500 ml (756 kcal) Ready to Hang (RTH) containers.
- Pulmocare is available in vanilla flavour.

USES

Food for Special Medical Purposes, for use under medical supervision. Suitable as a sole source of nutrition or as a nutritional supplement for patients who cannot or will not eat sufficient quantities of everyday food and drink to meet their nutritional requirements.

Pulmocare is a complete and balanced liquid feed specifically designed for patients with pulmonary disease. The high fat and low carbohydrate content of the feed is designed to reduce carbon dioxide production and respiratory quotient, thus reducing ventilatory requirements. Suitable as a sip or tube feed.

Nutritionally complete for vitamins and minerals in 1000 ml (excluding electrolytes, calculated using the UK Reference Nutrient Intake for men aged 19-50 years).

INDICATIONS—COMMUNITY USE

Suitable for patients who require a lower carbon dioxide production or for the following indications:

- Acute and chronic bronchitis
- Chronic obstructive pulmonary disease
- Pulmonary emphysema
- Weaning ventilated patients
- Respiratory failure
- Oxygen therapy

Available on the GMS (General Medical Services) Scheme

STORAGE

- Store unopened at room temperature.
- Avoid prolonged exposure to light.
- Once opened, unused product should be resealed and stored in a refrigerator.
- Unused contents should be discarded after 24 hours.

DIRECTIONS FOR USE

- Ready for use.
- Shake well before use and open immediately prior to use.
- Best served chilled if taken orally.
- Administer at room temperature for tube feeding.
- The volume/flow rate should be adjusted to meet the patient's nutritional needs and tolerance. This product has a low viscosity and will pass down a fine nasogastric tube.
- An Abbott enteral feeding pump may be used in conjunction with the Abbott enteral feeding system where a more accurately controlled delivery of feed is indicated. An ambulatory system is available for use.
- A Flexitainer enteral nutrition container may be used if decanting is necessary.

PRECAUTIONS

- In patients receiving some medications there may be a risk of drug nutrient interactions (e.g. warfarin and vitamin K). Careful prescribing and monitoring practices will serve to reduce the risk (please refer to pharmacist).
- Patients should not make any additions to the feed without consulting their pharmacist or dietitian.
- Many nutritional products contain sucrose and other sugars. It is important for patients who are taking supplements as sip feeds to observe good oral hygiene.
- Unless recommended by a qualified healthcare professional, not intended for use in children.
- When feeding to patients with dysphagia, please thicken the product as appropriate.

CONTRA-INDICATIONS

- FOR ENTERAL USE ONLY.
- Do not use in children under 1 year of age
- Not for use in galactosaemia.
- Suitable for people with diabetes provided that routine glucose checks are performed.

INGREDIENTS

Water, vegetable oils (canola, MCT from palm kernel oil, corn, high oleic sunflower), **milk** proteins, sucrose, maltodextrin, minerals (potassium citrate, magnesium chloride, calcium phosphate tribasic, sodium citrate, potassium phosphate dibasic, sodium chloride, ferrous sulphate, zinc sulphate, manganese sulphate, cupric sulphate, sodium molybdate, chromium chloride, sodium selenate, potassium iodide), emulsifier: **soy** lecithin, flavouring, choline chloride, vitamins (C, E, niacinamide, calcium pantothenate, beta carotene, B6, vitamin A palmitate, B1, B2, D3, folic acid, biotin, K1, B12), taurine, L-carnitine, stabiliser: E418.

GENERAL INFORMATION

Energy density 1.5 kcal/ml

Energy distribution:
Protein 16.5%
Carbohydrate 28.0%
Fat 55.5%

Renal solute load 501 mOsm/L

Osmolarity 383 mOsm/L

Osmolality 488 mOsm/kg H₂O

Gluten free? ✓

Clinically lactose free ✓

Milk free? ✗

Suitable for vegetarians ✓¹

Suitable for Halal diet ✓

Suitable for Kosher diet ✓

For suitability for other diets and free-from information, please contact the Freephone Nutrition Helpline on 1800 411 411.

1. Vitamin D is synthesised from cholesterol, extracted from the grease in wool sheared from live sheep.

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NUTRITION INFORMATION

	units	per 100 ml
Energy	kJ	631
	kcal	151
Fat	g	9.33
- of which saturates	g	2.3
- of which MCT*	g	1.76
Carbohydrate	g	10.6
- of which sugars	g	5.5
Fibre	g	0
Protein (nitrogen)	g	6.25 (1.00)
Salt	g	0.33
Vitamins		
Vitamin A (RE)	µg	150
- of which β-carotene	µg	67
Vitamin D	µg	1.1
Vitamin E (α TE)	mg	3.0
Vitamin K	µg	8.5
Vitamin C	mg	15
Folacin (folic acid)	µg	38
Thiamin (vitamin B ₁)	mg	0.25
Riboflavin (vitamin B ₂)	mg	0.30
Vitamin B ₆	mg	0.35
Vitamin B ₁₂	µg	0.50
Niacin (NE)	mg	2.8
Pantothenic acid	mg	1.1
Biotin	µg	6.5
Minerals		
Sodium	mg (mmol)	131 (5.70)
Potassium	mg (mmol)	196 (5.01)
Chloride	mg (mmol)	132 (3.72)
Calcium	mg (mmol)	100 (2.50)
Phosphorus (phosphate)	mg (mmol)	100 (3.23)
Magnesium	mg (mmol)	30 (1.23)
Iron	mg	2.0
Zinc	mg	1.7
Manganese	mg	0.48
Copper	mg	0.22
Iodine	µg	16
Selenium	µg	7.7
Chromium	µg	10
Molybdenum	µg	16
Taurine	mg	16
L-carnitine	mg	12
Choline	mg	64
Water	g	78.6

PROTEIN & AMINO ACIDS

	g/100 g protein	g/100 ml
Protein source		
Sodium caseinate	87.2 %	5.45
Calcium caseinate	12.8 %	0.80
Amino acids		
- Essential		
Histidine	2.52	0.16
Isoleucine	4.46	0.28
Leucine	8.97	0.56
Lysine	7.24	0.45
Methionine	2.53	0.16
Phenylalanine	4.89	0.31
Threonine	4.17	0.26
Tryptophan	1.10	0.07
Valine	5.85	0.37
Arginine	3.35	0.21
-Non-essential		
Alanine	2.89	0.18
Aspartic acid	2.80	0.18
Cystine	0.39	0.02
Glutamic acid	11.6	0.73
Glycine	1.87	0.12
Proline	10.5	0.66
Serine	5.65	0.35
Tyrosine	5.13	0.32
Asparagine	4.27	0.27
Glutamine	9.79	0.61
Non-protein calorie: N	129	:1

CARBOHYDRATES

	% total carbohydrates	g/100 ml
Carbohydrate source		
Maltodextrin	45.0 %	4.77
Sucrose	55.0 %	5.83

FAT & FATTY ACIDS

	% total fatty acids	g/100 ml	
Fat source			
Canola oil	55.8 %	5.21	
MCT from palm kernel oil	20.0 %	1.87	
Corn oil	14.0 %	1.31	
High oleic sunflower oil	7.00 %	0.65	
Lecithin	3.20 %	0.30	
Fatty acids			
- Essential			
Linoleic acid	C18:2	20.1	1.91
Linolenic acid	C18:3	5.17	0.49
- Monounsaturated			
Palmitoleic acid	C16:1	0.12	0.01
Oleic acid	C18:1	42.7	4.06
Gadoleic acid	C20:1	0.87	0.08
Erucic acid	C22:1	0.40	0.04
- Saturated			
Caproic acid	C6:0	0.09	0.01
Caprylic acid	C8:0	10.5	1.00
Capric acid	C10:0	7.82	0.74
Lauric acid	C12:0	0.10	0.01
Myristic acid	C14:0	0.04	trace
Palmitic acid	C16:0	4.64	0.44
Margaric acid	C17:0	0.04	trace
Stearic acid	C18:0	1.54	0.15
Arachidic acid	C20:0	0.41	0.04
Behenic acid	C22:0	0.35	0.03
Tricosanoic acid	C23:0	-	-
Lignoceric acid	C24:0	0.15	0.01
P/S ratio	0.98		
n6:n3 ratio	3.9 : 1		

*medium-chain triglycerides (C6:0 - C12:0)

