PLANNING & PREPARTION OF RT FEEDS

RT feedings are given when patient cannot accept food through orally or drink enough to have adequate nutrition for the body. Good nutrition needed for your body to heal. Fluid is needed to prevent your body from getting dried out [dehydrate]. A Ryle's tube is a long, narrow feeding tube that goes to through nose and down into stomach.

- The Ryle's tube is soft and bendable
- The feeds given should be in liquid consistency
- The 1ml of feed should give 1kcal of energy

RT FEEDING

CHRONIC OBSTRUCTIVE PULMONARY DISEASE

Mr. XXX/160cm/58 kgs/ middle income group admitted in the hospital with the condition of COPD and following symptoms Dyspnea, Cough, Sputum Production, Acute exacerbations.

Past Medical History

1. Type 2 Diabetes Mellitus
2. Hyper Tension
3. BPH

Principal Diet

High Protein + High Calorie + Moderate Fibre + low Salt.

For the above conditions patient total calorie requirement is 1500 Kcal, we given 1500 Kcal from kitchen feeds.

Patient tolerate 150 ml for every 2 hourly (9 feeds). For the preparation of Tube feeding we prepared 1500 ml of feed, per day gives 1500 Kcal (1:1 ratio).

Calorie Requirements

Energy	:	IBW X 25 = 60 X 25 = 1500 K Cal
CHO	:	(55 x 1500)/100 = 825/ 4 = 206 g
Protein	:	IBW x 1.1 = 60 x 1.1 = 66 g
Fat	:	(25 x 1500)/100 = 375/9 = 41.6 g.

Menu Plan for COPD

Meal Timing	Menu	Quantity
6:00 AM	Thin Ragi Malt with Nut Powder	150 ml
8:00 AM	Mushroom Coriander Dhal Soup	150 ml
10:00 AM	Albumin Water	150 ml
12:00 PM	Dhal + Green leafy Vegetable Porridge	150 ml
2:00 PM	Rice + Rajma + Flaxseed Water	150 ml
4:00 PM	Lentil Soup	150 ml
6:00 PM	Paneer Milk Shake	150 ml
8:00 PM	Broken Wheat + Vegetable Porridge	150 ml
10:00 PM	Fortified Milk	150 ml

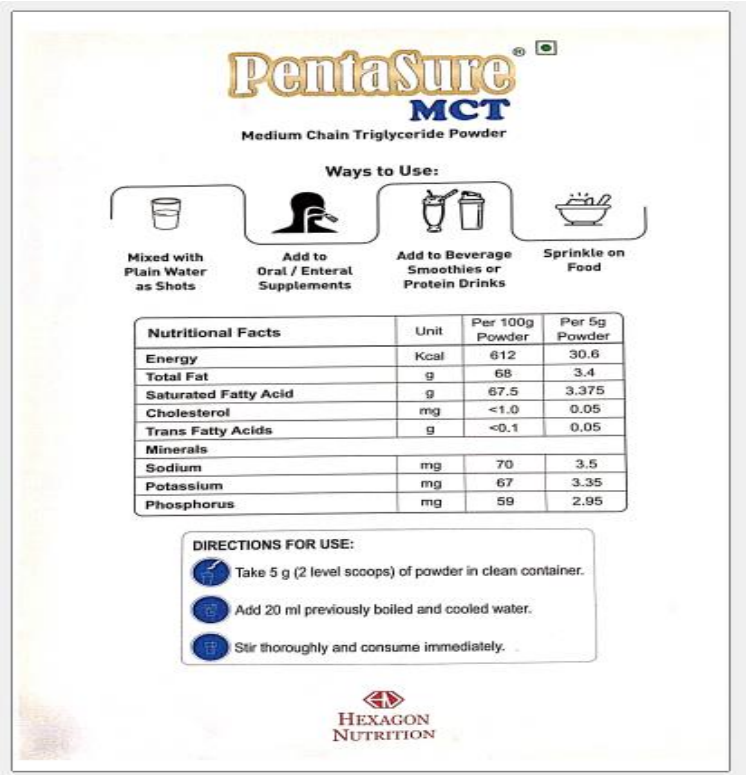
Nutritive Values :

Meal Timings	Menu	Ingredients	Amount (g)	Energy (kCal)	Protein(g)	Fat(g)
6:00 AM	**Ragi Malt With Nut Powder**	Ragi Flour	5	16.4	0.365	0.065
		Almond Powder	5	32.7	1.04	2.01
		Walnut Powder	5	34.3	0.78	3
		Ajwain	5	11.9	1.19	0.01
		Butter Milk	150	23.5	1.2	1.65
			Total	120	4.57	6.7
8:00 AM	**Mushroom Coriander Dhal Soup**	Mushroom	10	35	1.31	0.6
		Redgramdhal	10	33.5	2.3	0.17
		Cowpea	8	16.15	1.205	0.08
		Coriander	5	2.2	0.16	0.05
		Wheat flour	5	17.5	0.6	0.08
		Skimmed Milk Powder	10	35.7	3.8	0.01
		Oil	8	72	-	8
				212	9.3	9.2
10:00 AM	**Albumin Water**	Egg White	60	32	6	3
		Milk	100	117	4.3	0.02
		Oil	5	45	0.01	-
		Lemon	5	2.85	-	0.001
			Total	**235.85**	**13.21**	**3.0**

12:00 PM	**Dhal + Green leafy Vegetable Porridge**	**R**edgram Dhal Soyabean Kesari dhal Spinach Moringa Amaranth Cumin Oil	5 10 5 10 10 5 3 5	16.75 6.04 1.41 2.6 9.2 3.35 10.68 45	1.15 6.04 1.41 0.1 0.67 0.2 0.56 -	0.08 0.9 0.03 0.03 0.08 0.09 0.45 5
			Total	110	10.13	6.2
2: 00 PM	**Rice + Rajma + Flaxseed Water**	Rice Rajma Tomato Onion Flaxseed Powder Oil	**5** **10** **5** **5** **5** **6**	34.6 17.37 0.37 2.5 26.7 54	0.6 1.1 0.03 0.05 0.9 -	0.02 0.13 0.01 0.01 0.02 6
			Total	152	4.8	6
4:00 PM	**Lentil Soup**	Green gram Rajma Kesaridhal Onion Carrot Oil	**10** **5** **5** **5** **10** **5**	36 17.3 4.82 2.51 4.6 45	2.4 1.14 1.41 0.1 0.5 -	0.13 0.06 0.04 0.01 0.001 5
			Total	111	5.3	5.5

6:00 PM	**Paneer Milkshake**	Paneer Almond Walnut Curd Milk	**10** **5** **5** **5** **10**	29.2 32.7 34.3 3 11.7	0.67 1.04 0.78 0.01 0.43	2.3 2.01 1.01 0.02 0.02
			Total	11.25	5.5	5
8:00 PM	**Broken Wheat Vegetable Porridge**	Broken Wheat Skimmed Milk Powder Carrot Tomato Peas Beans Oil	**10** **10** **5** **10** **10** **5** **5**	35.6 35.85 2.3 0.37 9.3 0.7 45	0.82 1.8 0.5 0.03 0.72 0.06 -	0.16 0.01 0.001 0.01 0.03 0.02 -
			Total	129	4.01	5
10:00 PM	**Fortified Milk**	Milk Skimmed Milk Powder Walnut Powder	**150** **20** **5**	100 71.7 34.35	4.8 2.6 0.7	4.1 0.02 3
			Total	245	8.1	7.1
		Total		**1427 Kcal**	**64 g**	**46.68 g**

FORMULA FEEDS



PentaSure®
MCT
Medium Chain Triglyceride Powder

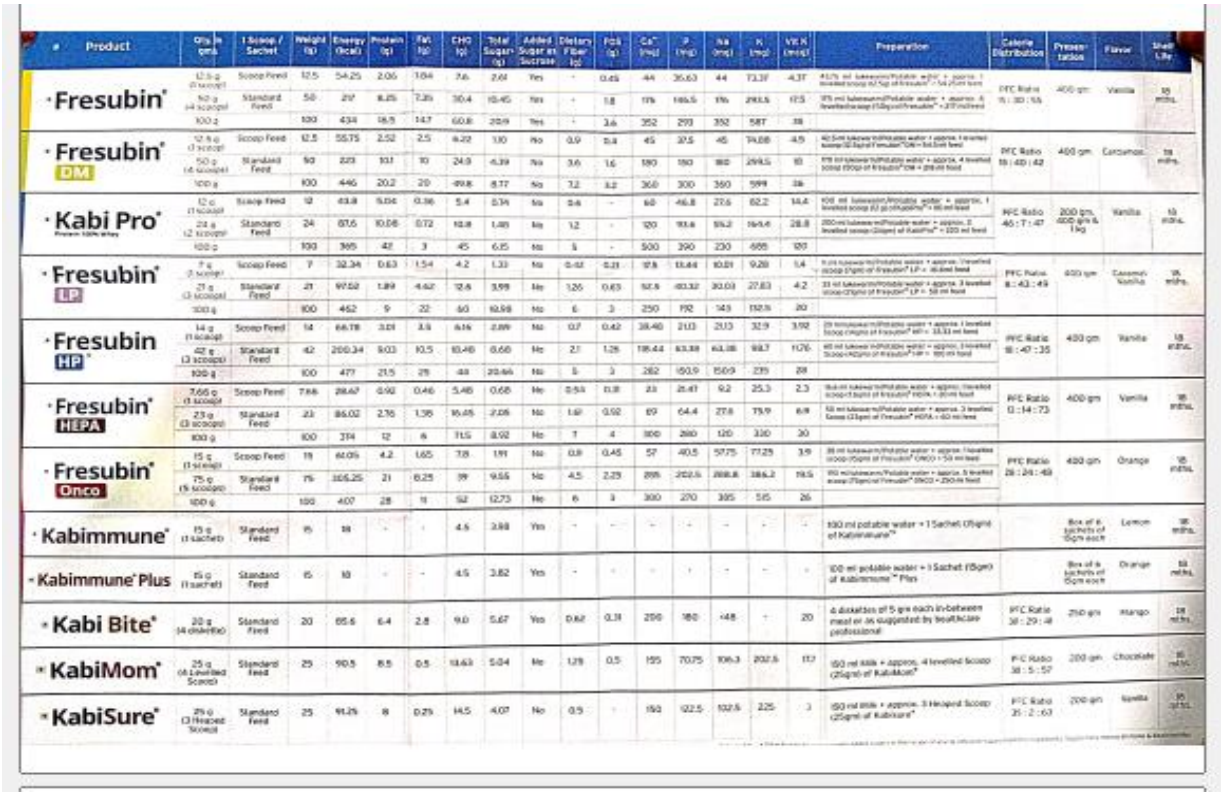
Ways to Use:

Mixed with Plain Water as Shots | Add to Oral / Enteral Supplements | Add to Beverage Smoothies or Protein Drinks | Sprinkle on Food

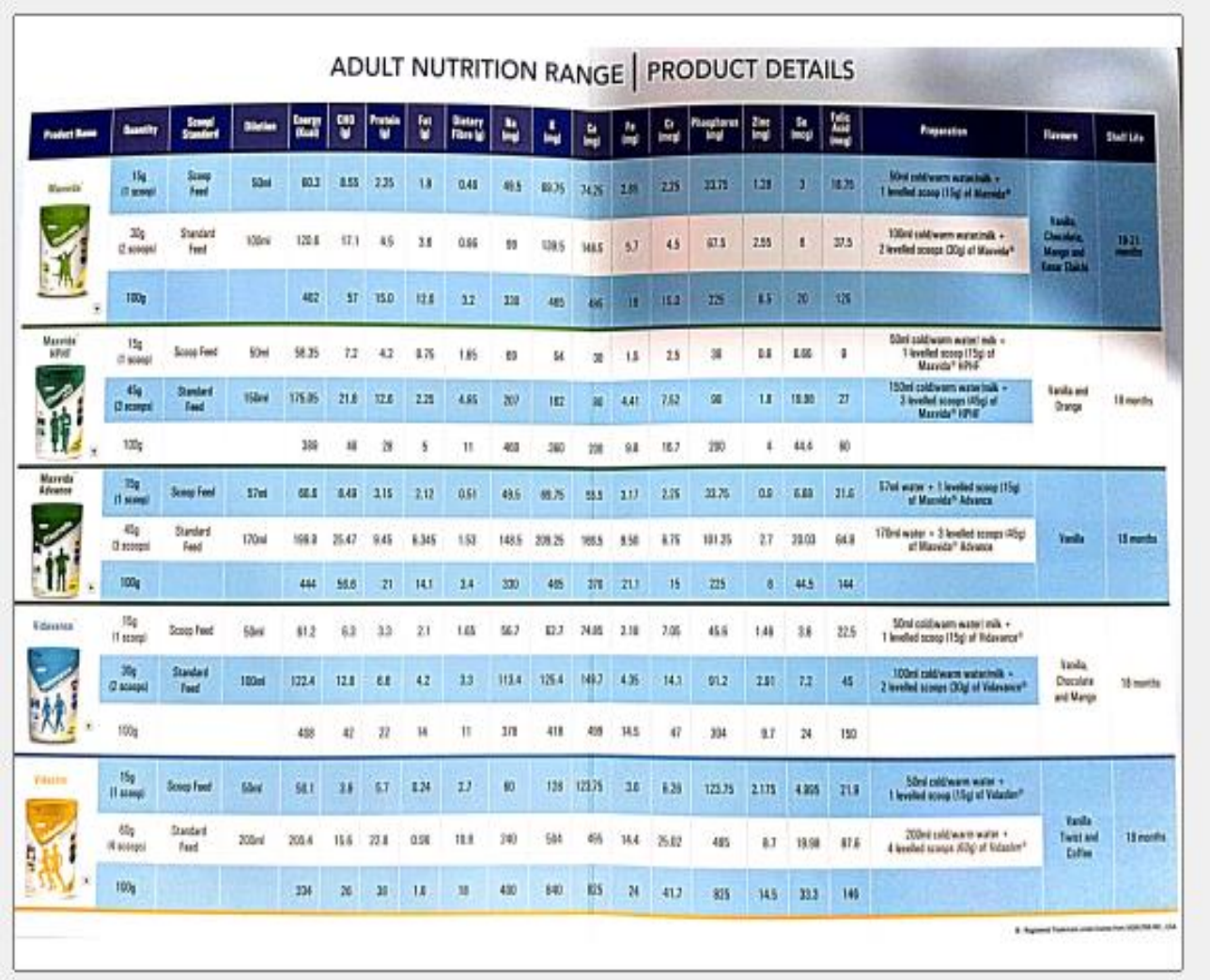
Nutritional Facts	Unit	Per 100g Powder	Per 5g Powder
Energy	Kcal	612	30.6
Total Fat	g	68	3.4
Saturated Fatty Acid	g	67.5	3.375
Cholesterol	mg	<1.0	0.05
Trans Fatty Acids	g	<0.1	0.05
Minerals			
Sodium	mg	70	3.5
Potassium	mg	67	3.35
Phosphorus	mg	59	2.95

DIRECTIONS FOR USE:
- Take 5 g (2 level scoops) of powder in clean container.
- Add 20 ml previously boiled and cooled water.
- Stir thoroughly and consume immediately.

HEXAGON NUTRITION

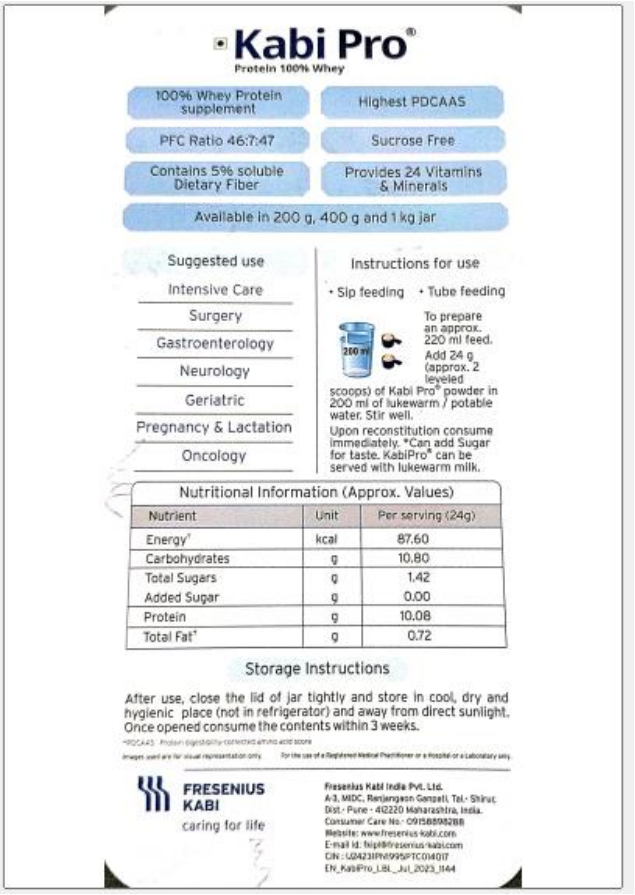


Product	Qty in gms	1 Scoop / Sachet	Weight (g)	Energy (kcal)	Protein (g)	Fat (g)	CHO (g)	Total Sugars (g)	Added Sugars as Sucrose	Dietary Fiber (g)	PUFA (g)	Ca (mg)	P (mg)	Na (mg)	K (mg)	Vit K (mcg)	Preparation	Calorie Distribution	Presentation	Flavor	Shelf Life
Fresubin	12.5 g (1 scoop)	Scoop Feed	12.5	54.25	2.06	1.84	7.6	2.64	Yes	-	0.46	44	35.63	44	73.37	4.37	41.25 ml lukewarm/Potable water + approx. 1 levelled scoop (1.5g/ml of Fresubin® = 54 g/ml feed	PFC Ratio 15 : 30 : 55	400 gm	Vanilla	18 mths.
	50 g (4 scoops)	Standard Feed	50	217	8.25	7.35	30.4	10.45	Yes	-	1.8	176	140.5	176	293.5	17.5	375 ml lukewarm/Potable water + approx. 4 levelled scoop (1.5g/ml Fresubin® = 217 ml/feed				
	100 g		100	434	16.5	14.7	60.8	20.9	Yes	-	3.6	352	293	352	587	35					
Fresubin DM	12.5 g (1 scoop)	Scoop Feed	12.5	55.75	2.52	2.5	9.22	1.10	No	0.9	0.4	45	37.5	45	74.08	4.5	40.5ml lukewarm/Potable water + approx. 1 levelled scoop (12.5g/ml Fresubin® DM = 54.5 ml feed	PFC Ratio 16 : 40 : 42	400 gm	Cucumber	18 mths.
	50 g (4 scoops)	Standard Feed	50	223	10.1	10	24.9	4.39	No	3.6	1.6	180	150	180	296.5	18	170 ml lukewarm/Potable water + approx. 4 levelled scoop (12.5g/ml of Fresubin® DM = 218 ml feed				
	100 g		100	446	20.2	20	49.8	8.77	No	7.2	3.2	360	300	360	599	36					
Kabi Pro Protein 100% Whey	12 g (1 scoop)	Scoop Feed	12	63.8	5.04	0.36	5.4	0.34	No	0.6	-	60	46.8	27.6	82.2	14.4	100 ml lukewarm/Potable water + approx. 1 levelled scoop (12 g/scoop/ml) = 80 ml feed	PFC Ratio 46 : 7 : 47	200 gm, 400 gm & 1 kg	Vanilla	18 mths.
	24 g (2 scoops)	Standard Feed	24	87.6	10.08	0.72	10.8	1.68	No	1.2	-	120	93.6	55.2	164.4	28.8	200 ml lukewarm/Potable water + approx. 2 levelled scoops (24gm) of KabiPro® = 220 ml feed				
	100 g		100	365	42	3	45	6.95	No	5	-	500	390	230	685	120					
Fresubin LP	7 g (1 scoop)	Scoop Feed	7	32.34	0.63	1.54	4.2	1.33	No	0.42	0.21	17.5	13.44	10.01	9.28	1.4	11 ml lukewarm/Potable water + approx. 1 levelled scoop (7g/ml of Fresubin® LP) = 45 ml feed	PFC Ratio 8 : 43 : 49	400 gm	Caramel-Vanilla	18 mths.
	21 g (3 scoops)	Standard Feed	21	97.02	1.89	4.62	12.6	3.99	No	1.26	0.63	52.5	40.32	30.03	27.83	4.2	33 ml lukewarm/Potable water + approx. 3 levelled scoop (7g/ml of Fresubin® LP) = 58 ml feed				
	100 g		100	462	9	22	60	18.98	No	6	3	250	192	143	132.5	20					
Fresubin HP	14 g (1 scoop)	Scoop Feed	14	66.78	3.01	3.9	6.16	2.89	No	0.7	0.42	38.46	21.03	20.3	32.9	3.92	29 ml lukewarm/Potable water + approx. 1 levelled scoop (14g/ml of Fresubin® HP) = 33.33 ml feed	PFC Ratio 18 : 40 : 35	400 gm	Vanilla	18 mths.
	42 g (3 scoops)	Standard Feed	42	200.34	9.03	10.5	10.46	0.66	No	2.1	1.26	115.44	63.38	61.38	98.7	11.76	60 ml lukewarm/Potable water + approx. 3 levelled Scoop (14g/ml of Fresubin® HP) = 100 ml feed				
	100 g		100	477	21.5	25	40	22.46	No	5	3	282	150.9	150.9	235	28					
Fresubin HEPA	7.66 g (1 scoop)	Scoop Feed	7.66	28.67	0.92	0.46	5.46	0.68	No	0.53	0.38	23	21.47	9.2	25.3	2.3	15ml lukewarm/Potable water + approx. 1levelled scoop (1.5g/ml of Fresubin® HEPA = 20 ml feed	PFC Ratio 13 : 14 : 73	400 gm	Vanilla	18 mths.
	23 g (3 scoops)	Standard Feed	23	86.02	2.76	1.38	16.46	2.06	No	1.61	0.92	69	64.4	27.6	75.9	6.9	50 ml lukewarm/Potable water + approx. 3 levelled Scoop (23gm) of Fresubin® HEPA = 60 ml feed				
	100 g		100	374	12	6	71.5	8.92	No	7	4	300	280	120	330	30					
Fresubin Onco	15 g (1 scoop)	Scoop Feed	15	60.05	4.2	1.65	7.8	1.91	No	0.9	0.45	57	40.5	57.75	77.25	3.9	35 ml lukewarm/Potable water + approx. 1levelled scoop (15gm) of Fresubin® ONCO = 50 ml feed	PFC Ratio 28 : 26 : 46	400 gm	Orange	18 mths.
	75 g (5 scoops)	Standard Feed	75	305.25	21	8.25	39	9.55	No	4.5	2.25	285	202.5	288.8	386.2	19.5	175 ml lukewarm/Potable water + approx. 5 levelled scoop (75gm) of Fresubin® ONCO = 250 ml feed				
	100 g		100	407	28	11	52	12.73	No	6	3	300	270	385	515	26					
Kabimmune	15 g (1 sachet)	Standard Feed	15	58	-	-	4.5	3.88	Yes	-	-	-	-	-	-	-	100 ml potable water + 1 Sachet (15gm) of Kabimmune™		Box of 6 sachets of 15gm each	Lemon	18 mths.
Kabimmune Plus	15 g (1 sachet)	Standard Feed	15	58	-	-	4.5	3.82	Yes	-	-	-	-	-	-	-	100 ml potable water + 1 Sachet (15gm) of Kabimmune™ Plus		Box of 6 sachets of 15gm each	Orange	18 mths.
Kabi Bite	20 g (4 chikki's)	Standard Feed	20	85.6	6.4	2.8	9.0	5.67	Yes	0.62	0.38	200	180	148	-	20	4 dosages of 5 gm each in between meal or as suggested by healthcare professional	PFC Ratio 30 : 29 : 41	250 gm	Mango	18 mths.
KabiMom	25 g (4 Levelled Scoops)	Standard Feed	25	90.5	8.5	0.5	13.63	5.04	No	1.25	0.5	155	70.75	106.3	202.5	112	150 ml Milk + approx. 4 levelled Scoop (25gm) of KabiMom®	PFC Ratio 38 : 5 : 57	200 gm	Chocolate	18 mths.
KabiSure	25 g (3 Heaped Scoops)	Standard Feed	25	91.25	8	0.25	14.5	4.07	No	0.5	-	150	122.5	102.5	225	3	150 ml Milk + approx. 3 Heaped Scoop (25gm) of Kabisure®	PFC Ratio 35 : 2 : 63	200 gm	Vanilla	18 mths.



ADULT NUTRITION RANGE | PRODUCT DETAILS

Product Name	Quantity	Scoop/ Standard	Dilution	Energy (Kcal)	CHO (g)	Protein (g)	Fat (g)	Dietary Fibre (g)	Na (mg)	K (mg)	Ca (mg)	Fe (mg)	Cr (mcg)	Phosphorus (mg)	Zinc (mg)	Se (mcg)	Folic Acid (mcg)	Preparation	Flavours	Shelf Life
Maxvida	15g (1 scoop)	Scoop Feed	50ml	80.3	8.55	2.35	1.8	0.48	49.5	89.25	74.25	2.85	2.25	33.75	1.28	3	18.75	50ml cold/warm water/milk + 1 levelled scoop (15g) of Maxvida®	Vanilla, Chocolate, Mango and Kesar Elaichi	18-21 months
	30g (2 scoops)	Standard Feed	100ml	120.6	17.1	4.5	3.6	0.66	99	139.5	148.5	5.7	4.5	67.5	2.55	6	37.5	100ml cold/warm water/milk + 2 levelled scoops (30g) of Maxvida®		
	100g			402	57	15.0	12.0	3.2	330	465	495	19	15.0	225	8.5	20	125			
Maxvida HPHF	15g (1 scoop)	Scoop Feed	50ml	58.35	7.2	4.2	0.75	1.85	69	54	30	1.5	2.5	38	0.8	8.66	9	50ml cold/warm water/ milk + 1 levelled scoop (15g) of Maxvida® HPHF	Vanilla and Orange	18 months
	45g (3 scoops)	Standard Feed	150ml	175.95	21.6	12.6	2.25	4.65	207	162	90	4.41	7.62	90	1.8	18.90	27	150ml cold/warm water/milk + 3 levelled scoops (45g) of Maxvida® HPHF		
	100g			389	48	28	5	11	460	360	200	9.8	16.7	200	4	44.4	60			
Maxvida Advance	15g (1 scoop)	Scoop Feed	57ml	68.8	8.48	3.15	2.12	0.61	49.5	68.75	55.5	2.17	2.25	33.75	0.9	6.68	21.6	57ml water + 1 levelled scoop (15g) of Maxvida® Advance	Vanilla	18 months
	45g (3 scoops)	Standard Feed	170ml	168.8	25.47	9.45	6.345	1.53	148.5	206.25	166.5	6.50	6.75	101.25	2.7	20.03	64.8	170ml water + 3 levelled scoops (45g) of Maxvida® Advance		
	100g			444	56.6	21	14.1	3.4	330	465	370	21.7	15	225	6	44.5	144			
Vidavance	15g (1 scoop)	Scoop Feed	50ml	61.2	6.3	3.3	2.1	1.65	56.7	82.7	74.85	2.10	7.05	45.6	1.48	3.6	22.5	50ml cold/warm water/ milk + 1 levelled scoop (15g) of Vidavance®	Vanilla, Chocolate and Mango	18 months
	30g (2 scoops)	Standard Feed	100ml	122.4	12.8	6.8	4.2	3.3	113.4	165.4	149.7	4.35	14.1	91.2	2.81	7.2	45	100ml cold/warm water/milk + 2 levelled scoops (30g) of Vidavance®		
	100g			408	42	22	14	11	378	418	499	14.5	47	304	9.7	24	150			
Vidasta	15g (1 scoop)	Scoop Feed	50ml	58.1	3.8	6.7	0.24	2.7	90	128	123.75	3.0	8.28	123.75	2.175	4.905	21.8	50ml cold/warm water + 1 levelled scoop (15g) of Vidasta®	Vanilla Twist and Coffee	18 months
	60g (4 scoops)	Standard Feed	200ml	200.4	15.6	22.8	0.98	10.8	240	564	495	14.4	25.02	405	8.7	19.98	87.6	200ml cold/warm water + 4 levelled scoops (60g) of Vidasta®		
	100g			334	26	38	1.6	18	400	940	825	24	41.7	825	14.5	33.3	146			



Kabi Pro®

Protein 100% Whey

- 100% Whey Protein supplement
- Highest PDCAAS
- PFC Ratio 46:7:47
- Sucrose Free
- Contains 5% soluble Dietary Fiber
- Provides 24 Vitamins & Minerals

Available in 200 g, 400 g and 1 kg jar

Suggested use

- Intensive Care
- Surgery
- Gastroenterology
- Neurology
- Geriatric
- Pregnancy & Lactation
- Oncology

Instructions for use

• Sip feeding • Tube feeding

To prepare an approx. 220 ml feed. Add 24 g (approx. 2 leveled scoops) of Kabi Pro® powder in 200 ml of lukewarm / potable water. Stir well.

Upon reconstitution consume immediately. *Can add Sugar for taste. KabiPro® can be served with lukewarm milk.

Nutritional Information (Approx. Values)

Nutrient	Unit	Per serving (24g)
Energy*	kcal	87.60
Carbohydrates	g	10.80
Total Sugars	g	1.42
Added Sugar	g	0.00
Protein	g	10.08
Total Fat*	g	0.72

Storage Instructions

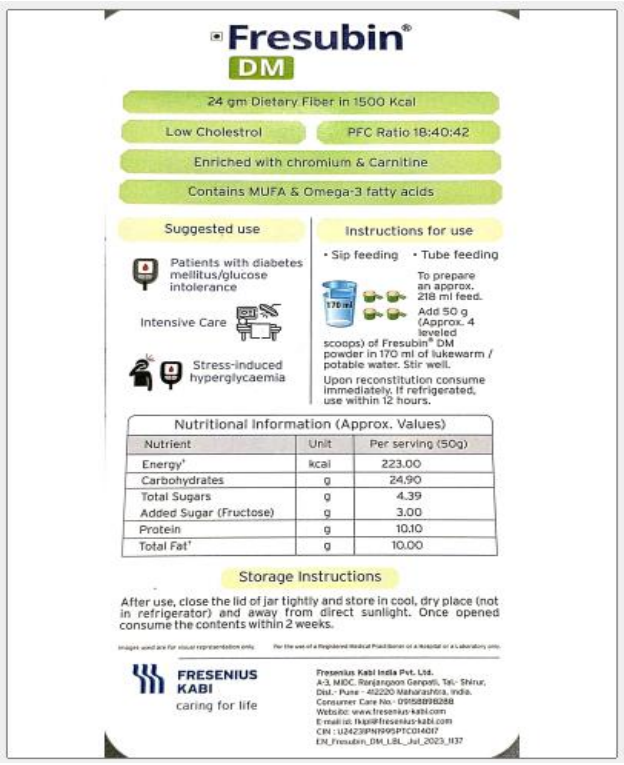
After use, close the lid of jar tightly and store in cool, dry and hygienic place (not in refrigerator) and away from direct sunlight. Once opened consume the contents within 3 weeks.

*PDCAAS : Protein digestibility corrected amino acid score

Images used are for visual representation only. For the use of a Registered Medical Practitioner or a Hospital or a Laboratory only.

FRESENIUS KABI
caring for life

Fresenius Kabi India Pvt. Ltd.
A-3, MIDC, Ranjangaon Ganpati, Tal.- Shirur,
Dist.- Pune - 412220 Maharashtra, India.
Consumer Care No.- 09158898288
Website: www.fresenius-kabi.com
E-mail id: fkipl@fresenius-kabi.com
CIN : U24231PN1995PTC014017
EN_KabiPro_LBL_Jul_2023_1144



Fresubin® DM

- 24 gm Dietary Fiber in 1500 Kcal
- Low Cholestrol
- PFC Ratio 18:40:42
- Enriched with chromium & Carnitine
- Contains MUFA & Omega-3 fatty acids

Suggested use

- Patients with diabetes mellitus/glucose intolerance
- Intensive Care
- Stress-induced hyperglycaemia

Instructions for use

• Sip feeding • Tube feeding

To prepare an approx. 218 ml feed. Add 50 g (Approx. 4 leveled scoops) of Fresubin® DM powder in 170 ml of lukewarm / potable water. Stir well.

Upon reconstitution consume immediately. If refrigerated, use within 12 hours.

Nutritional Information (Approx. Values)

Nutrient	Unit	Per serving (50g)
Energy*	kcal	223.00
Carbohydrates	g	24.90
Total Sugars	g	4.39
Added Sugar (Fructose)	g	3.00
Protein	g	10.10
Total Fat*	g	10.00

Storage Instructions

After use, close the lid of jar tightly and store in cool, dry place (not in refrigerator) and away from direct sunlight. Once opened consume the contents within 2 weeks.

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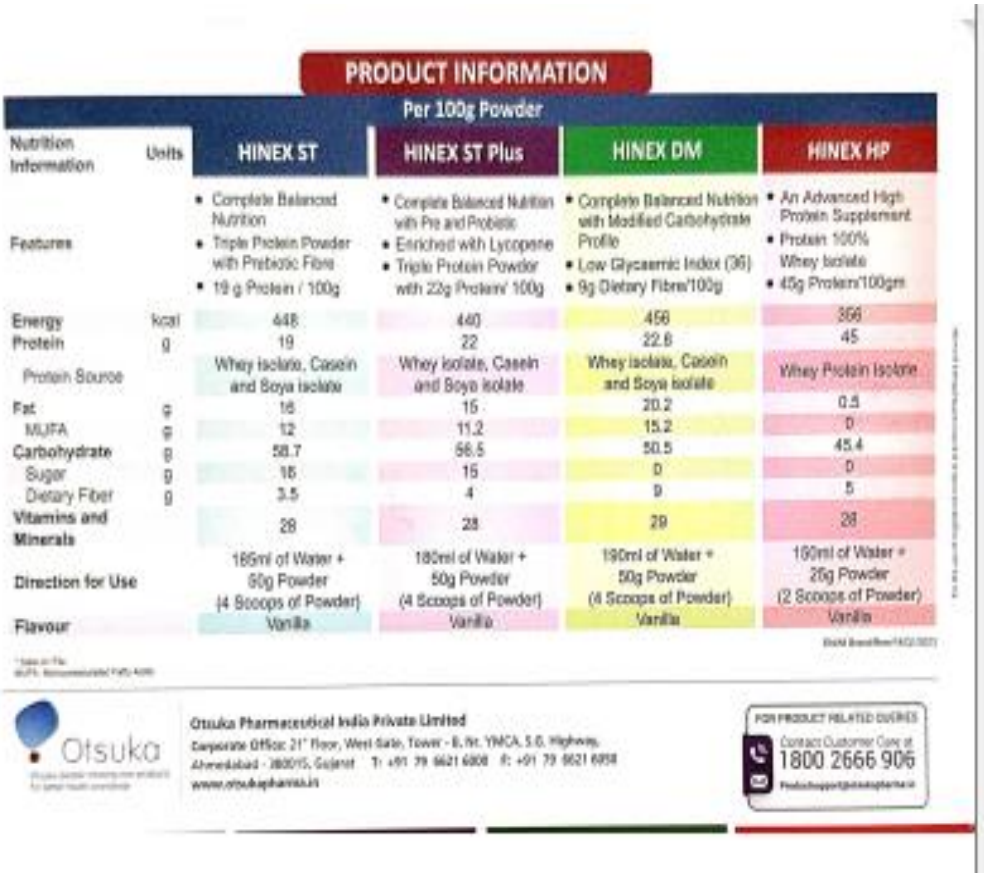
FRESENIUS KABI
caring for life

Fresenius Kabi India Pvt. Ltd.
A-3, MIDC, Ranjangaon Ganpati, Tal.- Shirur,
Dist.- Pune - 412220 Maharashtra, India.
Consumer Care No.- 09158898288
Website: www.fresenius-kabi.com
E-mail id: fkipl@fresenius-kabi.com
CIN : U24231PN1995PTC014017
EN_Fresubin_DM_LBL_Jul_2023_1137



PRODUCT INFORMATION

Per 100g Powder

Nutrition Information	Units	HINEX ST	HINEX ST Plus	HINEX DM	HINEX HP
Features		• Complete Balanced Nutrition • Triple Protein Powder with Prebiotic Fibre • 19 g Protein / 100g	• Complete Balanced Nutrition with Pre and Probiotic • Enriched with Lycopene • Triple Protein Powder with 22g Protein/ 100g	• Complete Balanced Nutrition with Modified Carbohydrate Profile • Low Glycaemic Index (36) • 9g Dietary Fibre/100g	• An Advanced High Protein Supplement • Protein 100% Whey Isolate • 45g Protein/100gm
Energy	kcal	448	440	456	366
Protein	g	19	22	22.8	45
Protein Source		Whey isolate, Casein and Soya isolate	Whey isolate, Casein and Soya isolate	Whey isolate, Casein and Soya isolate	Whey Protein Isolate
Fat	g	16	15	20.2	0.5
MUFA	g	12	11.2	15.2	0
Carbohydrate	g	58.7	56.5	50.5	45.4
Sugar	g	16	15	0	0
Dietary Fiber	g	3.5	4	9	5
Vitamins and Minerals		28	28	29	28
Direction for Use		185ml of Water + 50g Powder (4 Scoops of Powder)	180ml of Water + 50g Powder (4 Scoops of Powder)	190ml of Water + 50g Powder (4 Scoops of Powder)	160ml of Water + 25g Powder (2 Scoops of Powder)
Flavour		Vanilla	Vanilla	Vanilla	Vanilla

Otsuka

Otsuka Pharmaceutical India Private Limited
Corporate Office: 21st Floor, West Gate, Tower - B, Nr. YMCA, S.G. Highway,
Ahmedabad - 380015, Gujarat T: +91 79 6621 6800 F: +91 79 6621 6858
www.otsukapharma.in

FOR PRODUCT RELATED QUERIES
Contact Customer Care at
1800 2666 906