

**SPEKIFIKASI TEKNIKAL BAGI MEMBEKALKAN
SUSU PELBAGAI FUNGSI
BAGI JABATAN DIETETIK DAN SAJIAN
HOSPITAL TUANKU FAUZIAH
KEMENTERIAN KESIHATAN MALAYSIA
TAHUN 2018**

BAHAGIAN I

SUSU MEDICAL FOOD FORMULA FOR ADULT

SENARAI ITEM BAHAGIAN I : SUSU MEDICAL FOOD FORMULA FOR ADULT

Bil	Produk
1.1	Adult Powdered Complete Nutrition Formula
1.2	Adult Complete Nutrition Powder Formula With Probiotic
1.3	Adult Powdered Complete Nutrition Formula With Fibre
1.4	Adult Powdered Complete Nutrition Formula For Glycemic Control
1.5	Adult Powdered Complete Nutrition with High Fibre For Glycemic Control
1.6	Adult Powdered Nutrition Formula Enriched With EPA
1.7	Adult Powdered Complete Semi Elemental Formula
1.8	Adult Liquid Complete Nutrition With Electrolyte and Fluid Restriction
1.9	Adult Clear Liquid Nutrition
1.10	Carbohydrate Modular
1.11	Protein Modular
1.12	Oral Nutrition Probiotic Supplement

BAHAGIAN I :SUSU MEDICAL FOOD FORMULA FOR ADULT

1.1 Adult Powdered Complete Nutrition Formula (350-450g/packaging)

1.1.1	This formula is a nutritionally complete powder, makes a drink that used as a meal replacement, or as a supplementary food and can be used for tube feeding.										
1.1.2	Plain or vanilla flavour.										
1.1.3	Lactose free and gluten free.										
1.1.4	The nutrition facts in every 100g of product is as below: <table border="1" data-bbox="300 638 1267 826"><thead><tr><th>Nutrient</th><th>100g</th></tr></thead><tbody><tr><td>Energy</td><td>400 – 500 kcal</td></tr><tr><td>Protein</td><td>13 -20 g</td></tr><tr><td>Carbohydrate</td><td>45 – 65 g</td></tr><tr><td>Fat</td><td>10 - 20 g</td></tr></tbody></table>	Nutrient	100g	Energy	400 – 500 kcal	Protein	13 -20 g	Carbohydrate	45 – 65 g	Fat	10 - 20 g
Nutrient	100g										
Energy	400 – 500 kcal										
Protein	13 -20 g										
Carbohydrate	45 – 65 g										
Fat	10 - 20 g										

1.2 Adult Complete Nutrition Powder Formula With Probiotic (350-450g/packaging)

1.2.1	Complete and balanced nutrition to help enhance immunity and support recovery during illness. Suitable for use as a meal replacement, or as a supplementary food and can be used for tube feeding.										
1.2.2	It is also specially formulated with a unique blend of vegetable oil and provides essential fatty acids (omega 3 and omega 6) and high in MUFA										
1.2.3	Formula without lactose or with very minimal lactose and gluten free										
1.2.4	Complete and balanced nutrition, with probiotic (550 million cfu of Probiotics)										
1.2.5	50% high quality whey protein and 50% casein for optimal feeding toleration										
1.2.6	The nutrition facts in every 100g of product is as below: <table border="1" data-bbox="432 1487 1208 1872"><thead><tr><th>Nutrient</th><th>100g</th></tr></thead><tbody><tr><td>Calories (kcal)</td><td>450 - 460</td></tr><tr><td>Carbohydrate (grams)</td><td>52 – 62</td></tr><tr><td>Protein (grams)</td><td>15 – 23</td></tr><tr><td>Fat (grams)</td><td>12 – 18</td></tr></tbody></table>	Nutrient	100g	Calories (kcal)	450 - 460	Carbohydrate (grams)	52 – 62	Protein (grams)	15 – 23	Fat (grams)	12 – 18
Nutrient	100g										
Calories (kcal)	450 - 460										
Carbohydrate (grams)	52 – 62										
Protein (grams)	15 – 23										
Fat (grams)	12 – 18										

1.3 Adult Powdered Complete Nutrition Formula With Fibre (350-450g/packaging)

1.3.1	This formula is a nutritionally complete powder, makes a drink that used as a meal replacement, or as a supplementary food and can be used for tube feeding.												
1.3.2	Lactose free and gluten free.												
1.3.3	The nutrition facts in every 100g of product is as below: <table border="1" data-bbox="300 562 1267 786"> <thead> <tr> <th>Nutrient</th> <th>100g</th> </tr> </thead> <tbody> <tr> <td>Energy</td> <td>400 – 500kcal</td> </tr> <tr> <td>Protein</td> <td>13 –20g</td> </tr> <tr> <td>Carbohydrate</td> <td>45 – 65 g</td> </tr> <tr> <td>Fat</td> <td>10 – 20 g</td> </tr> <tr> <td>Dietary Fibre</td> <td>6.5 – 7.5 g</td> </tr> </tbody> </table>	Nutrient	100g	Energy	400 – 500kcal	Protein	13 –20g	Carbohydrate	45 – 65 g	Fat	10 – 20 g	Dietary Fibre	6.5 – 7.5 g
Nutrient	100g												
Energy	400 – 500kcal												
Protein	13 –20g												
Carbohydrate	45 – 65 g												
Fat	10 – 20 g												
Dietary Fibre	6.5 – 7.5 g												

1.4 Adult Powdered Complete Nutrition Formula For Glycemic Control (350-450g/packaging)

1.4.1	This formula is a nutritionally complete powder, makes a drink that used as a meal replacement, or as a supplementary food and can be used for tube feeding for patients with impaired glucose metabolism.												
1.4.2	It should be low in Glycemic Index value, 55 or less.												
1.4.3	Contains ingredients to slow down carbohydrate release												
1.4.4	Sucrose free, lactose free and gluten free.												
1.4.5	The nutrition facts in every 100g of product is as below: <table border="1" data-bbox="308 1507 1240 1760"> <thead> <tr> <th>Nutrient</th> <th>100g</th> </tr> </thead> <tbody> <tr> <td>Energy</td> <td>400 – 500 kcal</td> </tr> <tr> <td>Protein</td> <td>15 – 20g</td> </tr> <tr> <td>Carbohydrate</td> <td>50 - 60 g</td> </tr> <tr> <td>Fat</td> <td>15 – 20g</td> </tr> <tr> <td>Dietary Fibre</td> <td>5 – 7g</td> </tr> </tbody> </table>	Nutrient	100g	Energy	400 – 500 kcal	Protein	15 – 20g	Carbohydrate	50 - 60 g	Fat	15 – 20g	Dietary Fibre	5 – 7g
Nutrient	100g												
Energy	400 – 500 kcal												
Protein	15 – 20g												
Carbohydrate	50 - 60 g												
Fat	15 – 20g												
Dietary Fibre	5 – 7g												

1.5 Adult Powdered Complete Nutrition with High Fibre For Glycemic Control (350-450g/packaging)

1.5.1	This formula is a nutritionally complete powder, used as a meal replacement, or as a supplementary food or tube feeding for glycemic control in patients with impaired glucose metabolism.												
1.5.2	It should be low in Glycemic Index value, 55 or less.												
1.5.3	Contains totally soluble fibre												
1.5.4	Sucrose free, lactose free and gluten free.												
1.5.5	The nutrition facts in every 100g of product is as below: <table border="1" data-bbox="311 779 1257 1003"> <thead> <tr> <th>Nutrient</th> <th>100g</th> </tr> </thead> <tbody> <tr> <td>Energy</td> <td>450 – 500 kcal</td> </tr> <tr> <td>Protein</td> <td>20 – 22 g</td> </tr> <tr> <td>Carbohydrate</td> <td>40 – 50 g</td> </tr> <tr> <td>Fat</td> <td>15 – 20 g</td> </tr> <tr> <td>Dietary Fibre</td> <td>8 – 10 g</td> </tr> </tbody> </table>	Nutrient	100g	Energy	450 – 500 kcal	Protein	20 – 22 g	Carbohydrate	40 – 50 g	Fat	15 – 20 g	Dietary Fibre	8 – 10 g
Nutrient	100g												
Energy	450 – 500 kcal												
Protein	20 – 22 g												
Carbohydrate	40 – 50 g												
Fat	15 – 20 g												
Dietary Fibre	8 – 10 g												

1.6 Adult Powdered Nutrition Formula Enriched With EPA (350-450g/packaging)

1.6.1	This formula is a powdered supplementary feeding for people at risk of or experiencing cancer induced weight loss.										
1.6.2	It should contain at least 1.0g eicosapentanoic acid (EPA)/serving.										
1.6.3	Lactose free and gluten free.										
1.6.4	The nutrition facts in every 100g product is a below: <table border="1" data-bbox="311 1536 1257 1727"> <thead> <tr> <th>Nutrient</th> <th>100g</th> </tr> </thead> <tbody> <tr> <td>Energy</td> <td>400 - 460 kcal</td> </tr> <tr> <td>Protein</td> <td>20 - 35 g</td> </tr> <tr> <td>Carbohydrate</td> <td>40 - 65 g</td> </tr> <tr> <td>Fat</td> <td>7 - 16 g</td> </tr> </tbody> </table>	Nutrient	100g	Energy	400 - 460 kcal	Protein	20 - 35 g	Carbohydrate	40 - 65 g	Fat	7 - 16 g
Nutrient	100g										
Energy	400 - 460 kcal										
Protein	20 - 35 g										
Carbohydrate	40 - 65 g										
Fat	7 - 16 g										

1.7 Adult Powdered Complete Semi Elemental Formula (350-450g/packaging)

1.7.1	This formula is a nutritionally complete peptide based powder and can be used for oral or tube feeding for patients with impaired gastrointestinal function, short bowel syndrome patients and beneficial for management of stress induced hyperglycaemic patient.										
1.7.2	It should contain 100% whey peptide.										
1.7.3	It should contain at least 60% of fat as MCT.										
1.7.4	Lactose free and gluten free.										
1.7.5	The nutrition facts in every 100g of product is as below: <table border="1" data-bbox="327 772 1268 985"> <thead> <tr> <th>Nutrient</th> <th>100g</th> </tr> </thead> <tbody> <tr> <td>Energy</td> <td>400 – 500kcal</td> </tr> <tr> <td>Protein</td> <td>15 – 25g</td> </tr> <tr> <td>Carbohydrate</td> <td>55 – 60g</td> </tr> <tr> <td>Fat</td> <td>15 – 20g</td> </tr> </tbody> </table>	Nutrient	100g	Energy	400 – 500kcal	Protein	15 – 25g	Carbohydrate	55 – 60g	Fat	15 – 20g
Nutrient	100g										
Energy	400 – 500kcal										
Protein	15 – 25g										
Carbohydrate	55 – 60g										
Fat	15 – 20g										

1.8 Adult Liquid Complete Nutrition With Electrolyte and Fluid Restriction (200-250 ml/pack)

1.8.1	This formula is a nutritionally complete and ready to use liquid formula that can be used as a supplementary feeding and tube feeding especially renal impaired patient with electrolyte imbalanced.																
1.8.2	Calorie density 1.8 – 2.0 kcal/ml.																
1.8.3	Lactose free and gluten free.																
1.8.4	The nutrition facts in every 100ml of product is as below: <table border="1" data-bbox="311 1612 1236 1926"> <thead> <tr> <th>Nutrient</th> <th>100ml</th> </tr> </thead> <tbody> <tr> <td>Energy</td> <td>180 – 220 kcal</td> </tr> <tr> <td>Protein</td> <td>7 – 10 g</td> </tr> <tr> <td>Carbohydrate</td> <td>14 – 20 g</td> </tr> <tr> <td>Fat</td> <td>9 – 10 g</td> </tr> <tr> <td>Sodium</td> <td>70 – 100 mg</td> </tr> <tr> <td>Potassium</td> <td>80 – 110 mg</td> </tr> <tr> <td>Phosphorus</td> <td>70 – 80 mg</td> </tr> </tbody> </table>	Nutrient	100ml	Energy	180 – 220 kcal	Protein	7 – 10 g	Carbohydrate	14 – 20 g	Fat	9 – 10 g	Sodium	70 – 100 mg	Potassium	80 – 110 mg	Phosphorus	70 – 80 mg
Nutrient	100ml																
Energy	180 – 220 kcal																
Protein	7 – 10 g																
Carbohydrate	14 – 20 g																
Fat	9 – 10 g																
Sodium	70 – 100 mg																
Potassium	80 – 110 mg																
Phosphorus	70 – 80 mg																

1.9 Adult Clear Liquid Nutrition (200-250 ml/pack)

1.9.1	This formula is a clear liquid ready to drink formula for patients requiring higher protein and may also for patient on fat restricted diet.										
1.9.2	It is suitable for pre-operative carbohydrate loading to aid early recovery and enhance recovery after surgery (ERAS).										
1.9.3	It should contain high quality whey protein.										
1.9.4	It should be low in residue.										
1.9.5	The nutrition facts in every 100ml of product is as below: <table border="1" data-bbox="311 779 1267 969"> <thead> <tr> <th>Nutrient</th> <th>100ml</th> </tr> </thead> <tbody> <tr> <td>Energy</td> <td>100 – 120kcal</td> </tr> <tr> <td>Protein</td> <td>3 – 5g</td> </tr> <tr> <td>Carbohydrate</td> <td>20 – 25g</td> </tr> <tr> <td>Fat</td> <td>0g</td> </tr> </tbody> </table>	Nutrient	100ml	Energy	100 – 120kcal	Protein	3 – 5g	Carbohydrate	20 – 25g	Fat	0g
Nutrient	100ml										
Energy	100 – 120kcal										
Protein	3 – 5g										
Carbohydrate	20 – 25g										
Fat	0g										

1.10 Carbohydrate Modular (350-450g/packaging)

1.10.1	This product is a readily absorbed glucose polymer powder for patients with increased energy needs.										
1.10.2	It is not intended to be used as a sole source of nutrition.										
1.10.3	Lactose free and gluten free.										
1.10.4	The nutrition facts in every 100g of product are as below: <table border="1" data-bbox="311 1603 1252 1794"> <thead> <tr> <th>Nutrient</th> <th>100g</th> </tr> </thead> <tbody> <tr> <td>Energy</td> <td>380 – 400 kcal</td> </tr> <tr> <td>Protein</td> <td>0 g</td> </tr> <tr> <td>Carbohydrate</td> <td>95 – 100 g</td> </tr> <tr> <td>Fat</td> <td>0g</td> </tr> </tbody> </table>	Nutrient	100g	Energy	380 – 400 kcal	Protein	0 g	Carbohydrate	95 – 100 g	Fat	0g
Nutrient	100g										
Energy	380 – 400 kcal										
Protein	0 g										
Carbohydrate	95 – 100 g										
Fat	0g										

1.11 Protein Modular (5-10g/sachet)

1.11.1	This product is a powdered whey protein concentrate/ isolate for patients with increased protein needs.										
1.11.2	It is not intended to be used as a sole source of nutrition.										
1.11.3	Low in mineral and electrolytes.										
1.11.4	The nutrition facts in every 100g of product are as below: <table border="1" data-bbox="311 562 1252 772"><thead><tr><th>Nutrient</th><th>100g</th></tr></thead><tbody><tr><td>Energy</td><td>350–450 kcal</td></tr><tr><td>Protein</td><td>75–95 g</td></tr><tr><td>Carbohydrate</td><td>0–8 g</td></tr><tr><td>Fat</td><td>0- 8 g</td></tr></tbody></table>	Nutrient	100g	Energy	350–450 kcal	Protein	75–95 g	Carbohydrate	0–8 g	Fat	0- 8 g
Nutrient	100g										
Energy	350–450 kcal										
Protein	75–95 g										
Carbohydrate	0–8 g										
Fat	0- 8 g										

1.12 Oral Nutrition Probiotic Supplement (3-5g/sachet)

1.12.1	This product is a probiotic nutritional supplement in powdered form used to help maintain healthy gastrointestinal condition.
1.12.2	It may be used for oral or tube feeding.