



NIH Clinical Center Nutrition Department Formulary 2004–2005

Enteral Product Category: Lactose Free

Name of Product Kcals/cc	Osmolite 1.1/cc	Ensure 1.1/cc	Jevity 1.2 1.2/cc
CHO Sources	Hydrolyzed cornstarch, Sucrose	Corn Syrup, Sucrose, Maltodextrin	Maltodextrin (corn), Oat & Soy Fiber, Fructooligosaccharide
PRO Sources	Sodium and Calcium caseinate, Soy protein isolate	Sodium and Calcium caseinate, Soy protein isolate, Why protein concentrate	Sodium and Calcium caseinate, Soy protein isolate
FAT Sources	50% MCT oil, Corn oil, Soy oil	Corn oil, Safflower oil, Canola oil	High-oleic, safflower oil, Canola oil, MCT (fractionated coconut oil)
Protein (gm/liter)	37 (14%)	37 (14%)	56 (18.5%)
Fat (gm/kuter)	38 (31%)	26 (22%)	39 (29%)
CHO (gm/liter)	145 (55%)	169 (64%)	172 (52.5%)
Na/K Content (mEq/liter)	28/26	37/41	59/47
Dietary Fiber (gm/liter)	Negligible	Negligible	22 (includes 10g FOS)
Osmolality (mOsm/kg Water)	300	555	450
Nutritionally Complete	Yes	Yes	Yes
Lactose-Free	Yes	Yes	Yes
Form	Liquid	Liquid	Liquid
Manufacturer	Ross	Ross	Ross

Appendices

Enteral Product Category: Lactose Free

Name of Product Kcals/cc	<i>Biocare Drink Mix</i> .83/cc	<i>Boost</i> 1/cc	<i>Boost Breeze</i> .68/cc
CHO Sources	Corn syrup solids, Fructose, Pineapple juice solids	Corn syrup solids Sucrose	Fructose, Juice concentrate, Sugar
PRO Sources	Whey	Milk protein concentrate	Whey protein concentrate
FAT Sources	—	Canola oil, High oleic sunflower oil, Corn oil	-----
Protein (gm/liter)	42 (22%)	43 (17%)	34 (20%)
Fat (gm/liter)	0	17.5 (16%)	0
CHO (gm/liter)	150 (78%)	174 (67%)	131 (80%)
Na/K Content (mEq/liter)	15/9	24/43	9/25
Dietary Fiber (gm/liter)	Negligible	Negligible	Negligible
Osmolality (mOsm/kg Water)	510	610	900-930
Nutritionally Complete	No	Yes	No
Lactose-Free	Yes	Yes	Yes
Form	Powder	Liquid	Liquid
Manufacturer	Food Sciences Corp.	Mead Johnson	Mead Johnson

Appendices

Enteral Product Category: Lactose Free

Name of Product Kcals/cc	<i>Boost Plus</i> 1.5/cc	<i>Deliver 2.0</i> 2/cc	<i>Pediasure*</i> 1/cc
CHO Sources	Corn sryup, Sucrose	Corn syrup	Corn syrup solids, Sucrose
PRO Sources	Sodium and calcium caseinate	Sodium and calcium caseinate	Low-lactose whey protein and caseinate
FAT Sources	Soy and Corn oil	70% Soy oil, 30% MCT oil	Safflower oil, Soy oil, MCT oil
Protein (gm/liter)	58 (16%)	75 (15%)	30 (12%)
Fat (gm/liter)	58 (34%)	102 (45%)	50 (44%)
CHO (gm/liter)	188 (50%)	200 (40%)	110 (44%)
Na/K Content (mEq/liter)	36/38	35/43	17/34
Dietary Fiber (gm/liter)	Negligible	Negligible	Negligible
Osmolality (mOsm/kg Water)	670	640	335
Nutritionally Complete	Yes	Yes	Yes
Lactose-Free	Yes	Yes	Yes
Form	Liquid	Liquid	Liquid
Manufacturer	Mead Johnson	Mead Johnson	Ross

Appendices

Enteral Product Category: Disease-Specific Formulations

Name of Product Kcals/cc	<i>Renalcal</i> 2/cc	<i>Nutrihep</i> 1.5/cc
CHO Sources	Maltodextrin, Cornstarch	Maltodextrin, Modified cornstarch
PRO Sources	Essential and non-essential L-amino acids, Whey protein	L-amino acids (50% Branched-chain), Whey protein
FAT Sources	MCT, Canola oil, Corn oil	MCT, Canola oil, Soy lecithin, Corn oil
Protein (gm/liter)	34 (7%)	40 (11%)
Fat (gm/liter)	82 (35%)	21 (12%)
CHO (gm/liter)	290 (58%)	289 (77%)
Na/K Content (mEq/liter)	—	9/23
Dietary Fiber (gm/liter)	Negligible	Negligible
Osmolality (mOsm/kg Water)	600	690
Nutritionally Complete	No fat soluble vitamins	Yes
Lactose-Free	Yes	Yes
Form	Liquid	Liquid
Manufacturer	Nestle	Nestle

Appendices

Enteral Product Category: Supplemental Food Products

NAME OF PRODUCT Kcals/cc	PEDIALYTE 24/240cc	CERALYTE 70 33/10g pkt (mix 10g pkt in 200cc water)
CHO Sources	Dextrose (glucose)	Rice syrup solid
PRO Sources	-----	-----
FAT Sources	-----	-----
Protein (gm/liter)	-----	-----
Fat (gm/kuter)	-----	-----
CHO (gm/liter)	6 (per 240cc)	8 (per 10g pkt)
Na/K Content (mEq/liter)	11/5 (per 240cc)	30/7 (per 10g pkt)
Dietary Fiber (gm/liter)	-----	-----
Osmolality (mOsm/kg Water)	250	235
Nutritionally Complete	No	No
Lactose-Free	Yes	Yes
Form	Liquid	Powder
Manufacturer	Ross	Cera

Appendices

Enteral Product Category: Supplemental Food Products

NAME OF PRODUCT Kcals/serv	UNPROCESSED BRAN 65/30 gm	BENEFIBER 16/ Tbsp (1 Tbsp = 4 gm)	THICKEN-UP 30/2 Tbsp (2 Tbsp= 9gm)
CHO Sources	Wheat	Partially hydrolyzed guar gum, Soluble fiber	Modified food starch, Maltodextrin
PRO Sources	Wheat	-----	-----
FAT Sources		-----	-----
Protein (gm/serv)	5 (per 30 gm)	-----	-----
FAT (gm/serv)	1 (per 30 gm)	-----	-----
CHO (gm/serv)	19 (per 30gm)	4 (per Tbsp)	8 (per Tbsp)
Na/K Content (mEq/serv)	N.S./13 (per 30 gm)	.7/.4 (per Tbsp)	1/0 (per 2 Tbsp)
Dietary Fiber (gm/serv)	13	3	-----
Osmolality (mOsm/kg Water)	-----	-----	-----
Nutritionally Complete	No	No	No
Lactose-free	Yes	Yes	Yes
Form	Flakes	Powder	Powder
Manufacturer	Varies	Novartis	Novartis

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*Nutrient values are rounded averages and may vary with flavor.

Appendices

Enteral Product Category: Modular Components

Name of Product Kcals/serv	Promod 28/6.6gm scoop	MCT Oil 116/Tbsp*	Polycose Liquid 200/100ml
CHO Sources	—	—	Hydrolysis of Corn Starch
PRO Sources	Whey protein concentrate	—	—
FAT Sources	—	Fractionated coconut oil	—
Protein (gm/serv)	5 (per 6.6 gm scoop)	—	—
Fat (gm/serv)	.60 (per 6.6 gm scoop)	13 (per Tbsp)	—
CHO (gm/serv)	.67 (per 6.6 gm scoop)	—	50 (per 100 ml)
Na/K Content (mEq/serv)	0.7/1.7 (per 6.6 gm scoop)	—	.03/.2 (per 100 ml)
Dietary Fiber (gm/serv)	—	—	—
Osmolality (mOsm/kg Water)	—	—	900
Nutritionally Complete	No	No	No
Lactose-Free	.3 (per 6.6 gm scoop)	Yes	Yes
Form	Powder	Liquid	Liquid
Manufacturer	Ross	Mead Johnson	Ross

Appendices

Enteral Product Category: Elemental and/or Peptide

NAME OF PRODUCT Kcals/cc	PEPTAMEN 1/CC	NEOCATE ONE* 1/CC	PEPTAMEN 1.5 1.5/cc
CHO Sources	Maltodextrin, Cornstarch	Corn syrup solids	Maltodextrin, Cornstarch
PRO Sources	Hydrolyzed Whey	Free amino acids	Hydrolyzed Whey
FAT Sources	MCT, Safflower oil, soy lecithin	Corn syrup, fractionated, Coconut oil, Canola oil, safflower oil (35% MCT, 65% LCT)	MCT, Soy bean oil, soy lecithin
Protein (gm/liter)	40 (16%)	25 (10%)	68 (18%)
FAT (gm/liter)	39 (33%)	35 (32%)	56 (33%)
CHO (gm/liter)	127 (51%)	146 (58%)	188 (49%)
Na/K Content (mEq/liter)	24/38	9/24	44/48
Dietary Fiber (gm/liter)	Negligible	Negligible	Negligible
Osmolality (mOsm/kg Water)	270	610	550
Nutritionally Complete	Yes	Yes	Yes
Lactose-free	Yes	Yes	Yes
Form	Liquid	Powder	Liquid
Manufacturer	Nestle	SHS North America	Nestle

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* For Children 1-10 yr(s) old.

Appendices

NIH Clinical Center Nutrition Department 2002 Infant Formulary (Figures Based on Std 20 Kcal/oz Dilution)

PROTEIN SOURCE	COW'S MILK BASED	SOY PROTEIN	HYDROLYSATE	FREE AMINO ACIDS
Formula	<i>Similac w/Fe*</i>	<i>Prosobee*</i>	<i>Alimentum**</i>	<i>Neocate*</i>
KCAL/cc	0.68	0.67	0.67	0.67
Protein (gm/L)	15	20	18	21
Fat (gm/L)	36	36	37	30
CHO (gm/L)	72	68	68	78
Na/K (mEq/L)	8/19	10/21	13/20	11/27
mOsm/Kg H ₂ O	300	200	370	342
Form	Liquid Concentrate	Liquid Concentrate	Ready to Feed	Powder
* Specify desired concentration as 20, 24, or 27 Kcal/oz.				
** Only available as 20 Kcal/oz.				

For Concentrated Formulas:

Kcal/cc

24 Kcal/oz	0.8 Kcal/cc
27 Kcal/oz	0.9 Kcal/cc