UNC HEALTH CARE — NUTRITION FORMULARY — MARCH 2016

	ORAL SUPPLEMENTS												MODULARS	
Epic Name*	**Calorie Dense**	**Pudding**	**Clear Liquid**	**Clear Liquid Carbohydrate**	**Reduced Fluid/Lytes**	**Carbohydrate Control**	**Neocate E028 Splash (PED Elemental Clear Liquid)**	**Calorie Dense**	**Magic Cup (RD Order Only)†**	**High Fat Milkshake**	**CIB No Sugar Added w/Milk**	**High Protein, Low Calorie**	**GLUTAMINE**	**MCT OIL**
Product Name	**ENSURE PLUS®**	**ENSURE® ORIGINAL PUDDING**	**ENSURE CLEAR®**	**BOOST® BREEZE**	**NEPRO® WITH CARB STEADY®**	**GLUCERNA® THERAPEUTIC NUTRITION SHAKE**	**E028 SPLASH®**	**MIGHTYSHAKES®**	**MAGIC CUP® DESSERT (CHOCOLATE‡)**	**SUPERSHAKE†**	**CARNATION BREAKFAST ESSENTIALS® NO SUGAR ADDED (MILK CHOCOLATE‡)**	**ADVANTEDGE®**	**GLUTASOLVE®**	**MCT OIL®**
Nutrient Values per	237 mL	4 oz	200 mL	237 mL	237 mL	237 mL	237 mL	4 fl oz	4 oz	16 fl oz†	1 pkt w/8 fl oz fat-free vitamin A and D milk	330 mL	1 pkt (22.5 g)	1 Tbsp (15 mL)
Calories	350	170	200	250	425	220	237	200	290	627 (623 Choc., 731 Str.)†	150	100	90	115
Available Sizes	8-fl-oz can, 8-fl-oz bottle, 32-fl-oz bottle	4-oz cup	6.8-fl-oz tetra pak	8-fl-oz carton	8-fl-oz can, 1-L RTH	8-fl-oz can	8-fl-oz tetra pak	4-fl-oz carton	4-oz cup	16-oz†	8 packets/box; 7.05-oz canister (Rich Milk Chocolate only)	11-fl-oz carton	22.5-g packet	1-quart bottle
Nonprotein Cal/N Ratio	146:1	258:1	154:1	152:1	121:1	113:1	NL	NL	NL	NA†	NL	NL	NL	NL
Protein, g (% Cal)	13 (15)	4 (10)	7 (14)	9 (14)	19.1 (18)	10 (18)	5.9 [protein equivalent] (NL)	6 (NL)	9 (NL)	13 [12 Str.]† (NL)	13 (34)	17 (NL)	15 (68) L-glutamine§	0 (0)
Protein Source	Milk protein concentrate, Soy protein isolate, Whey protein concentrate	Milk protein concentrate	Whey protein isolate	Whey protein isolate (Milk)	Calcium, magnesium, and sodium caseinates, Milk protein isolate	Milk protein concentrate, Soy protein isolate	Free amino acids	Soy protein isolate, Milk protein isolate	Milk protein concentrate	Whey protein concentrate†	Fat-free vitamin A and D milk, Nonfat milk	Soy protein isolate, Pea protein concentrate	L-glutamine	NA
Carbohydrate, g (% Cal)	51 [52 Choc.] (57)	30 (65)	43 (86)	54 (86)	37.9 (34)	26 (47)	34.6 (NL)	29 (NL)	36 (NL)	84 [83 Choc., 113 Str.]† (NL)	24 (62)	2 (NL)	7 (32)	0 (0)
Carbohydrate Source	Corn maltodextrin, Sugar, Dietary fiber	Sugar, Corn maltodextrin, Modified cornstarch, Dietary fiber	Sugar, Corn syrup solids	Sugar, Corn syrup	Corn syrup solids, Sugar, Corn maltodextrin (including Fibersol®), Glycerine, Dietary fiber	Corn maltodextrin (including Fibersol), Fructose, Glycerine, Dietary fiber	Maltodextrin, Sugar (Corn syrup solids – Orange-Pineapple only)	Skim milk, Maltodextrin, Corn syrup, Sugar, High fructose corn syrup, (Cocoa - Choc. only), Dextrose, Modified food starch	Skim milk, High fructose corn syrup, Cocoa	Maltodextrin, Corn syrup, High fructose corn syrup, Sugar†	Fat-free vitamin A and D milk, Nonfat milk, Dietary Fiber, Maltodextrin	Cellulose gum	Maltodextrin	NA
Fat, g (% Cal)	11 (28)	5 (25)	0 (0)	0 (0)	22.7 (48)	9 (35)	8.3 (NL)	6 (NL)	11 (NL)	28 [27 Str.] (0)†	0.5 (4)	2.5 (NL)	0 (0)	14 (100)
Fat Source	Canola oil, Corn oil	Soy oil	NA	NA	High oleic safflower oil, Canola oil	High oleic safflower oil, Canola oil	Fractionated coconut oil, Canola oil, High oleic sunflower oil, Palm kernel oil	Corn oil, MCTs	Palm oil	Sunflower oil, Heavy cream, Milk†	NL	High oleic sunflower oil	NA	Modified coconut and/or palm kernel oil (MCTs)
Sodium, mg (mEq)	220 (9.6)	85 [120 Choc.] (3.7 [5.2 Choc.])	30 (1.3)	80 (3.5)	250 (10.9)	210 (9.1)	47.4 (NL)	60 (NL)	120 (NL)	315 [347 Choc., 299 Str.] (13.7 [15.1 Choc., 13 Str.])†	170 (7.4)	450	NL (NL)	NL (NL)
Potassium, mg (mEq)	400 [540 Choc.] (10.2 [13.8 Choc.])	110 [250 Choc.] (2.8 [6.4 Choc.])	0 (0)	0 (0)	250 (6.4)	370 [430 Choc.] (9.5 [11 Choc.])	220 (NL)	150 (NL)	450 (NL)	726 [684 Choc., 629 Str.] (18.6 [17.5 Choc., 16.1 Str.])†	700 (18)	350	NL (NL)	NL (NL)
Phosphorus, mg (mMol)	300 (24.5)	100 (24.5)	0 (32.3)	150 (33.9)	170 (NL)	250 (38.7)	147 (25.8)	100 (23.2)	150 (32.3)	406 [381 Choc., 353 Str.] (131.1 [123.1 Choc., 114 Str.])†	500 (27.2)	NL (NL)	NL (NL)	NL (NL)
Magnesium, mg	100	40	NL	NL	50	100	21.3	24	40	NA†	100	NL	NL	NL
Vitamin K, mcg	20	12	16	12	20	20	3.6	NL	NL	NA†	20	NL	NL	NL
Osmolality, mOsm/kg H_2O	680 (700 Choc.)	NA	700	750	745	670 (690 Choc.)	NL	NA	NA	NA†	NA	NL	310 (when mixed with 120 mL water)	NL
% Water	76	63	83	83	73	84	NL	NL	NL	NA†	NL	NL	NL	NL
Fiber, g	3	3	0	0	3	3	NL	0	0	0†	4	NL	NL	NL
Fiber Source	scFOS® (Choc. also has cocoa powder)	scFOS (Choc. also has cocoa powder)	NA	NA	scFOS, Fibersol	Soy fiber, scFOS, Fibersol, (Choc. also has cocoa powder)	NL	NA	NA	NA†	Inulin	NL	NL	NL
Allergen Statement	Contains milk and soy ingredients	Contains milk ingredients	Contains milk ingredients	NL	Contains milk and soy ingredients	Contains milk and soy ingredients	NL	Contains milk and soy ingredients	Contains milk ingredients	Contains milk lactose†	Contains milk and soy ingredients; made on equipment that also processes wheat	Contains soy ingredients	NL	NL
Flavors	Vanilla, Chocolate, Strawberry	Chocolate, Butterscotch	Apple	Orange, Peach, Wild Berry	Vanilla, Butter Pecan	Vanilla, Chocolate	Orange-Pineapple	Vanilla	Vanilla, Chocolate, Orange, Wild Berry	Vanilla, Chocolate, Strawberry†	Vanilla, Chocolate	Vanilla, Chocolate	Unflavored	Unflavored
Suitable for Lactose Intolerance	Yes**	Yes**	Yes**	Yes**	Yes**	Yes**	NL	No	No	No†	No	Yes	Yes	Yes
Gluten-Free	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	NL	NL	No	Yes	Yes	Yes
Halal	Yes	Yes	Yes	Yes	Certain flavors	Yes	NL	NL	NL	NL	NL	NL	NL	NL
Kosher	Yes	Yes	Yes	Yes	Yes	Yes	NL	Yes	No	NL	Yes	NL	Yes	Yes
Usage	Oral	Oral	Oral	Oral	Oral/Tube	Oral	Oral/Tube	Oral	Oral	Oral	Oral	Oral	Modular	Modular

NA = Not applicable. NL = Not listed on the corporate Web site.

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‡Values listed are for Chocolate flavor. Values may vary by flavor; check product label for actual values.

§A single amino acid is not considered protein.

**Not for individuals with galactosemia.

Supershake is not manufactured by Abbott Laboratories and is in house shake made by UNC Health Care.

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FC13257 MARCH 2016

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UNC HEALTH CARE — ENTERAL NUTRITION FORMULARY — MARCH 2016

	STANDARD TUBE-FEEDING FORMULAS							DISEASE SPECIFIC		IMMUNE MODULATING – CRITICAL CARE – PEPTIDE-BASED		CRITICAL CARE – PEPTIDE-BASED	ELEMENTAL	MODULARS		
Epic Name*	**Standard Isotonic**	**Standard Isotonic w/Fiber**	**Standard 1.5 Cal**	**Standard 1.5 w/Fiber**	**Standard High Calorie**	**High Calorie/MCT**	**High Protein**	**Carbohydrate Control**	**Reduced Lytes/Fluid**	**Critical Care Caloric Dense**	**Semi Elemental**	**Critical Care Low Calorie/High Protein**	**Elemental**	**Protein**	**Fiber**	**Fat**
Product Name	**OSMOLITE® 1 CAL**	**JEVITY® 1 CAL**	**OSMOLITE® 1.5 CAL**	**JEVITY® 1.5 CAL**	**TWOCAL® HN**	**NUTREN® 2.0**	**PROMOTE®**	**GLUCERNA® 1.2 CAL**	**NEPRO® WITH CARB STEADY®**	**PIVOT® 1.5 CAL**	**VITAL AF 1.2 CAL®**	**VITAL® HIGH PROTEIN**	**VIVONEX® RTF**	**BENEPROTEIN®**	**NUTRISOURCE® FIBER**	**MICROLIPID®**
Nutrient Values per	1 L	1 L	1 L	1 L	1 L	1 L	1 L	1 L	1 L	1 L	1 L	1 L	1 L	1 scoop or 1 pkt (7 g)	1 Tbsp or 1 pkt (4 g)	1 Tbsp (15 mL)
Cal/mL	1.06	1.06	1.5	1.5	2.0	2.0	1.0	1.2	1.8	1.5	1.2	1.0	1.0	25 Cal/svg	15 Cal/svg	4.5
Nonprotein Cal/N Ratio	125:1	125:1	125:1	122:1	126:1	123:1	75:1	100:1	121:1	75:1	75:1	47:1	111:1	NL	NL	NL
Protein, g (% Cal)	44.3 (16.7)	44.3 (16.7)	62.7 (16.7)	63.8 (17)	83.5 (16.7)	80 (16)	62.5 (25)	60 (20)	81 (18)	93.8 (25)	75 (25)	87.5 (35)	50 (20) as amino acids	6 (100)	NL (0)	0 (0)
Protein Source	Sodium and calcium caseinates, Soy protein isolate	Sodium and calcium caseinates, Soy protein isolate	Sodium and calcium caseinates, Soy protein isolate	Sodium and calcium caseinates, Soy protein isolate	Sodium and calcium caseinates	Soy protein isolate, Sodium caseinate (Milk), Calcium caseinate (Milk)	Sodium caseinate, Soy protein isolate	Sodium caseinate, Soy protein isolate, Milk protein concentrate	Calcium, magnesium, and sodium caseinates, Milk protein isolate	Hydrolyzed sodium caseinate, Whey protein hydrolysate, L-arginine	Whey protein hydrolysate, Hydrolyzed sodium caseinate	Whey protein hydrolysate, Partially hydrolyzed sodium caseinate	Free amino acids	Whey protein isolate (Milk)	NA	NA
Carbohydrate, g (% Cal)	143.9 (54.3)	154.7 (54.3)	203.6 (54.3)	215.7 (53.6)	218.5 (43.2)	196 (43)	130 (52)	114.5 (35)	161 (34)	172.4 (45)	110.6 (36)	112 (45)	176 (70)	0 (0)	4 (100)	0 (0)
Carbohydrate Source	Corn maltodextrin, Corn syrup solids	Corn maltodextrin, Corn syrup solids, Dietary fiber	Corn maltodextrin	Corn maltodextrin, Corn syrup solids, Dietary fiber	Corn syrup solids, Corn maltodextrin, Sugar, Dietary fiber	Corn syrup, Maltodextrin	Corn maltodextrin, Sugar	Corn maltodextrin (including Fibersol®), Isomaltulose, Fructose, Sucromalt, Dietary fiber, Glycerine	Corn syrup solids, Sugar, Corn maltodextrin (including Fibersol), Glycerine, Dietary fiber	Corn syrup solids, Dietary fiber	Corn maltodextrin, Dietary fiber	Corn maltodextrin, Sugar	Maltodextrin, Modified cornstarch	NA	Partially hydrolyzed guar gum	NA
Fat, g (% Cal)	34.7 (29)	34.7 (29)	49.1 (29)	49.8 (29.4)	90.5 (40.1)	104 (41)	26 (23)	60 (45)	96 (48)	50.8 (30)	53.9 (39)	23.2 (20)	11.6 (10)	0 (0)	0 (0)	7.5 (100)
Fat Source	Canola oil, Corn oil, MCTs	Canola oil, Corn oil, MCTs	High oleic safflower oil, Canola oil, MCTs	Canola oil, Corn oil, MCTs	High oleic safflower oil, MCTs, Canola oil	MCTs, Canola oil	Soy oil, MCTs, Safflower oil	High oleic safflower oil, Canola oil	High oleic safflower oil, Canola oil	MCT/marine oil structured lipid, Soy oil, Canola oil	MCT/marine oil structured lipid, MCTs, Canola oil, Soy oil, DATEM	MCTs, Marine oil, DATEM, Corn oil	Soybean oil, MCTs (Coconut and/or palm kernel oil)	NA	NA	Safflower oil
Sodium, mg (mEq)	930 (40.4)	930 (40.4)	1400 (60.9)	1400 (60.9)	1450 (63.6)	1300 (56.5)	1000 (43.5)	1110 (48.3)	1060 (46.1)	1400 (60.9)	1266 (55)	1400 (60.9)	700 (30.4)	15 (0.65)	15 (0.7)	NL (NL)
Potassium, mg (mEq)	1570 (40.2)	1570 (40.2)	1800 (46)	2150 (55.1)	2440 (62.6)	1920 (49.2)	1980 (50.8)	2020 (51.8)	1060 (27.2)	2000 (51.3)	1688 (43.2)	1600 (40.9)	1200 (31)	30 (0.8)	10 (0.3)	NL (NL)
Phosphorus, mg (mMol)	760 (24.5)	760 (24.5)	1000 (32.3)	1200 (38.7)	1050 (33.9)	1340 (NL)	1200 (38.7)	800 (25.8)	720 (23.2)	1000 (32.3)	844 (27.2)	800 (25.8)	668 (NL)	NL (NL)	NL (NL)	NL (NL)
Magnesium, mg	305	305	400	400	425	536	400	320	210	400	338	280	268	NL	NL	NL
Vitamin K, mcg	61	61	80	80	85	100	80	100	85	80	68	65	53.2	NL	NL	NL
Osmolality (mOsm/kg H_2O)	300	300	525	525	725	780	340	720	745	595	425	353	630	NL	NL	62
% Water	84	84	76	76	70	69	84	81	73	76	81	84	85	NL	NL	45
MCT:LCT Ratio	20:80	19:81	20:80	19:81	19:81	50:50	19:81	NA	NA	20:80	45:55	50:50	40:60	NA	NA	NL
Fiber (g)	0	14.4	0	22	5	NL	0	16.1	12.6	7.5	5.1	0	NL	NL	3	NL
Fiber Source	NA	Soy fiber	NA	scFOS®, Oat fiber, Soy fiber, Gum arabic, Carboxymethylcellulose	scFOS	NL	NA	scFOS, Oat fiber, Fibersol, Soy fiber	scFOS, Fibersol	scFOS	scFOS	NA	NL	NL	Partially hydrolyzed guar gum	NL
mL to meet 100% RDIs†	1321	1321	1000	1000	948	750	1000	1250	944	1000	1185	1422	1500	NA	NA	NA
Suitable for Lactose Intolerance	Yes§	Yes§	Yes§	Yes§	Yes§	Yes§	Yes§	Yes§	Yes§	Yes§	Yes§	Yes§	Yes	Yes§	Yes	Yes
Gluten-Free	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Kosher	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No	Yes	Yes	Yes	Yes
Comparable Products‡	Nutren 1.0	None	Nutren 1.5	NA	Impact Peptide 1.5	TwoCal HN§	Replete	Glucerna 1.0 Cal§	Novasource Renal	Impact Peptide 1.5	Peptamen AF	Peptamen Bariatric	None	None	None	None

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†mL to meet 100% RDIs for key vitamins and minerals.
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§Not for individuals with galactosemia.
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FC13257 MARCH 2016