

PEDIATRIC FORMULA COMPARISON GUIDE

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June 2017

Based on the July 2012 edition of Pediatric Formula Composition
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This pediatric formula guide is intended to be used as a quick reference for dietitians, physicians, and other healthcare providers. As it is not a hospital formulary, please consult with your registered dietitian for products available at your facility. This guide focuses on products for infants and children available from the major formula companies; additional product options have been included if thought pertinent, but it is not an exhaustive list.

Please refer to product labeling or the manufacturer for the most current product information. The nutrient values and ingredients are provided for comparison only, as nutrient values and ingredients are subject to change.



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Human Milk												
HUMAN MILK	Kcals/oz	Protein		Fat		Carbohydrate		Calcium	Phos	Na	K	Osmolality
		Source	gm/100 kcal	Source	gm/100 kcal	Source	gm/100 kcal	mg/100 kcal	mg/100 kcal	mg/100 kcal	mg/100 kcal	mOsm/kg water
Human Milk	-20 kcal/oz	human milk	-1.4	human milk	-6	human milk (mainly lactose)	-11	-30-40	-20	-30	-70	-300
PremieLact®* and ProLact HM®* (ProLacta Bioscience)	20 kcal/oz	human milk	-1.5	human milk	-5.6	human milk (lactose)	-10.8	-56	-25	-12.6	-81	-300

Premature Infant Formulas/Human Milk Fortifiers												
PRODUCT/ HUMAN MILK	Kcals/oz	Protein		Fat		Carbohydrate		Calcium	Phos	Na	K	Osmolality
		Source	gm/100 kcal	Source	gm/100 kcal	Source	gm/100 kcal	mg/100 kcal	mg/100 kcal	mg/100 kcal	mg/100 kcal	mOsm/kg water
Preterm Human Milk (PHM) reference values (Mead Johnson)	20 kcal/oz	PHM	2.4	PHM	5.2	PHM (lactose)	10.9	37	22	42	75	290-320
Enfamil® Human Milk Fortifier Acidified Liquid (Mead Johnson) added to PHM	-24 kcal/oz 1 vial+25 ml PHM	PHM; whey protein hydrolysate	-4	PHM; MCT, soy and high oleic sunflower oils; M. alpina, C. cohnii oils (source of ARA, DHA)	-6	PHM (lactose); contains <2% pectin	-8.1	-145	-80	-57	-98	-330-360
Enfamil® Human Milk Fortifier Powder (Mead Johnson) added to PHM	-24 kcal/oz 1 packet +25 ml PHM	PHM; milk protein isolate, whey protein isolate	-3.4	PHM; MCT, soy oil	-5.6	PHM (lactose); <2% corn syrup solids	-9.4	-144	-81	-55	-99	-330-360
Enfamil® Premature 20 (Mead Johnson) 2 oz RTF (also available in low iron)	20 kcal/oz	nonfat milk, whey protein concentrate (80:20 whey:casein)	3.3	MCT (40%), soy, high oleic sunflower oils; M. alpina, C. cohnii oils (source of ARA, DHA)	5	corn syrup solids, lactose	10.8	165	90	70	98	260
Enfamil® Premature 24 (Mead Johnson) 2 oz RTF (also available in low iron)	24 kcal/oz	nonfat milk, whey protein concentrate (80:20 whey:casein)	3.3	MCT (40%), soy, high oleic sunflower oils; M. alpina, C. cohnii oils (source of ARA, DHA)	5	corn syrup solids, lactose	10.8	165	90	70	98	320
Enfamil® Premature 24 High Protein (Mead Johnson) 2 oz RTF	24 kcal/oz	nonfat milk, whey protein concentrate (80:20 whey:casein)	3.6	MCT (40%), soy, high oleic sunflower oils; M. alpina, C. cohnii oils (source of ARA, DHA)	5	corn syrup solids, lactose	10.5	165	90	70	98	300
Enfamil® Premature 30 (Mead Johnson) 2 oz RTF	30 kcal/oz	nonfat milk, whey protein concentrate (80:20 whey:casein)	3.3	MCT (40%), soy, high oleic sunflower oils; M. alpina, C. cohnii oils (source of ARA, DHA)	5	maltodextrin, lactose (<1% rice starch)	10.8	165	90	70	98	320
ProLact RTF 24™* (ProLacta Bioscience)	-24 kcal/oz	human milk	-2.9	human milk	-5.7	human milk (lactose)	-9.4	-154	-83	-69	-102	-374
ProLact RTF 26™* (ProLacta Bioscience)	-26 kcal/oz	human milk	-2.9	human milk	-5.8	human milk (lactose)	-9	-153	-83	-69	-102	-379

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Premature Infant Formulas/Human Milk Fortifiers

PRODUCT/ HUMAN MILK	Kcals/oz	Protein		Fat		Carbohydrate		Calcium	Phos	Na	K	Osmolality
		Source	gm/100 kcal	Source	gm/100 kcal	Source	gm/100 kcal	mg/100 kcal	mg/100 kcal	mg/100 kcal	mg/100 kcal	mOsm/kg water
Prolact RTF 28™* (Prolecta Bioscience)	-28 kcal/oz	human milk	-3	human milk	-5.9	human milk (lactose)	-8.5	-154	-83	-69	-102	-379
Prolact+4 H ² MF®* 4:1 Mixing Ratio PHM:Product (Prolecta Bioscience)	-24 kcal/oz	human milk	-2.8	human milk	-5.98	human milk (lactose)	-8.7	-150	-78	-70	-117	< 400
Prolact+6 H ² MF®* 7:3 Mixing Ratio PHM:Product (Prolecta Bioscience)	-26 kcal/oz	human milk	-3.15	human milk	-6.07	human milk (lactose)	-8.3	-138	-72	-64	-108	< 400
Prolact+8 H ² MF®* 3:2 Mixing Ratio PHM:Product (Prolecta Bioscience)	-28 kcal/oz	human milk	-3.3	human milk	-6.08	human milk (lactose)	-7.8	-126	-66	-59	-99	< 400
Prolact+10 H ² MF®* 1:1 Mixing Ratio with PHM (Prolecta Bioscience)	-30 kcal/oz	human milk	-3.56	human milk	-6.25	human milk (lactose)	-7.6	-118	-61	-55	-92	< 400
Preterm Human Milk (PHM) reference values (Abbott)	20 kcal/oz	PHM	2.1	PHM	5.8	PHM (lactose)	9.9	37	19	37	85	290
Similac® Human Milk Fortifier Concentrated Liquid (Abbott) added to PHM	-24 kcal/oz 1 packet +25 ml PHM	PHM; nonfat milk, whey protein concentrate	-2.95	PHM; MCT; M. alpina, C. cohnii oils (source of ARA, DHA)	-5.23	PHM; corn syrup solids, lactose	-10.4	-173	-98	-47	-148	-385
Similac® Human Milk Fortifier Hydrolyzed Protein Concentrated Liquid (Abbott) added to PHM	-24 kcal/oz 1 packet +25 ml PHM	PHM; casein hydrolysate	-3.58	PHM; M. alpina, C. cohnii oils (source of ARA, DHA); MCT, soy, coconut oils	-4.98	PHM (lactose); maltodextrin, modified cornstarch	-10.14	-152	-85	-47	-148	-450
Similac® Human Milk Fortifier Powder (Abbott) added to PHM	-24 kcal/oz 1 packet +25 ml PHM	PHM; nonfat milk, whey protein concentrate	-2.97	PHM; MCT	-5.24	PHM; corn syrup solids, lactose	-10.4	-175	-98	-49	-148	-385
Similac® Special Care® 20 (Abbott) 2 oz RTF	20 kcal/oz	nonfat milk, whey protein concentrate	3	MCT (50%), soy and coconut oils; C. cohnii, M. alpina oils (source of DHA, ARA)	5.43	corn syrup solids, lactose	10.3	180	100	43	129	235
Similac® Special Care® 24 (Abbott) 2 oz RTF	24 kcal/oz	nonfat milk, whey protein concentrate	3	MCT (50%), soy and coconut oils; C. cohnii, M. alpina oils (source of DHA, ARA)	5.43	corn syrup solids, lactose	10.3	180	100	43	129	280
Similac® Special Care® 24 High Protein (Abbott) 2 oz RTF	24 kcal/oz	nonfat milk, whey protein concentrate	3.3	MCT (50%), soy and coconut oils; C. cohnii, M. alpina oils (source of DHA, ARA)	5.43	corn syrup solids, lactose	10	180	100	43	129	280
Similac® Special Care® 30 (Abbott) 2 oz RTF	30 kcal/oz	nonfat milk, whey protein concentrate	3	MCT (50%), soy and coconut oils; C. cohnii, M. alpina oils (source of DHA, ARA)	6.61	corn syrup solids, lactose	7.73	180	100	43	129	325

*Prolecta Bioscience recommends using lot-specific nutrient values for feeding calculations, values are for general reference only

Premature Infant Discharge Formulas												
FORMULA	Kcals/oz RTU or standard preparation	Protein		Fat		Carbohydrate		Calcium	Phos	Na	K	Osmolality
		Source	gm/100 kcal	Source	gm/100 kcal	Source	gm/100 kcal	mg/100 kcal	mg/100 kcal	mg/100 kcal	mg/100 kcal	mOsm/kg water
Enfamil® Enfacare® (Mead Johnson) powder and liquid	22 kcal/oz	wehey protein concentrate, nonfat milk (80:20 wehey:casein)	2.8	high oleic sunflower oil, soy, MCT (20%), coconut oils; M. alpina, C. cohnii oils (source of ARA, DHA)	5.3	pwd: lactose, corn syrup solids liq: maltodextrin, lactose	10.4	120	66	37	105	pwd:310 liq:230
Similac® NeoSure® (Abbott) powder and liquid	22 kcal/oz	nonfat milk, wehey protein concentrate	2.8	soy (high oleic safflower oil in powder), coconut oils, MCT (25%); C. cohnii, M. alpina oils (source of ARA, DHA)	5.5	corn syrup solids, lactose	10.1	105	62	33	142	250 pwd:260

Standard Milk-Based Infant Formulas												
FORMULA	Kcals/oz RTU or standard preparation	Protein		Fat		Carbohydrate		Calcium	Phos	Na	K	Osmolality
		Source	gm/100 kcal	Source	gm/100 kcal	Source	gm/100 kcal	mg/100 kcal	mg/100 kcal	mg/100 kcal	mg/100 kcal	mOsm/kg water
Earth's Best® Organic Dairy and Organic Dairy No Added DHA/ARA (Hain Celestial) powder	20 kcal/oz	organic: nonfat milk, wehey protein concentrate	2.2	organic: palm or palm olein, soy, coconut, high oleic safflower or sunflower oils with DHA formula: M. alpina, C. cohnii oils (source of ARA, DHA)	5.3	organic lactose, FOS	10.6	78	43	27	110	~300 (non-DHA)
Earth's Best® Organic Sensitivity (Hain Celestial) powder	20 kcal/oz	organic: wehey protein concentrate, milk protein concentrate	2.2	organic: palm or palm olein, soy, coconut, high oleic safflower or sunflower oils; M. alpina, C. cohnii oils (source of ARA, DHA)	5.3	organic corn syrup solids, FOS (~1% lactose)	10.6	63	42	23	84	n/a
Enfamil® A.R.™ (Mead Johnson) powder and liquid	20 kcal/oz	nonfat milk	2.5	palm olein, soy, coconut, high oleic sunflower oils; M. alpina, C. cohnii oils (source of ARA, DHA)	5.1	lactose, rice starch, maltodextrin, GOS, PDX	11.3	78	53	40	108	pwd:230 liq:240
Enfamil® Ensure™ (Mead Johnson) powder (non-GMO)	20 kcal/oz	nonfat milk, wehey protein-lipid concentrate, wehey protein concentrate, bovine lactoferrin	2.1	wehey protein-lipid concentrate; palm olein, coconut, soy, and high oleic sunflower oils; M. alpina, C. cohnii oils (source of ARA, DHA)	5.3	lactose, GOS, PDX	11.2	78	43	27	108	300
Enfamil (Premium®) Gentlease® (Mead Johnson) liquid and powder (pwd: non-GMO)	20 kcal/oz	partially hydrolyzed nonfat milk, wehey protein concentrate (may contain trace soy protein)	2.3	palm olein, soy, coconut, high oleic sunflower oils; M. alpina, C. cohnii oils (source of ARA, DHA)	5.3	corn syrup solids, (liquid contains rice starch), lactose (~20%)	10.8	82	46	pwd:36 liq:40	108	pwd:230 liq:200

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Standard Milk-Based Infant Formulas

FORMULA	Kcals/oz RTU or standard preparation	Protein		Fat		Carbohydrate		Calcium	Phos	Na	K	Osmolality
		Source	gm/100 kcal	Source	gm/100 kcal	Source	gm/100 kcal	mg/100 kcal	mg/100 kcal	mg/100 kcal	mg/100 kcal	mOsm/kg water
Enfamil (Premium®) Infant (Mead Johnson) (non-GMO) liquid and powder	20 kcal/oz	nonfat milk, whey protein concentrate (60:40 whey:casein)	2	palm olein, soy, coconut, high oleic sunflower oils; M. alpina, C. cohnii oils (source of ARA, DHA)	5.3	lactose, GOS, PDX	11.3	78	43	27	108	300
Enfamil (Premium®) Newborn (Mead Johnson) powder and 2 oz RTF (non-GMO)	20 kcal/oz	nonfat milk, whey protein concentrate (80:20 whey:casein)	2.1	palm olein, soy, coconut, high oleic sunflower oils; M. alpina, C. cohnii oils (source of ARA, DHA)	5.3	lactose, GOS, PDX	11.2	78	43	27	108	300
Enfamil® Reguline® (Mead Johnson) powder and liquid	20 kcal/oz	partially hydrolyzed nonfat milk, whey protein concentrate (may contain trace soy protein)	2.3	palm olein, soy, coconut, high oleic sunflower oils; M. alpina, C. cohnii oils (source of ARA, DHA)	5.3	lactose, corn syrup solids, GOS, PDX (liquid contains rice starch)	11.1	82	46	36	108	250-260
Gerber® Good Start® Gentle Stage 1 (Nestle) powder (non-GMO) (B. lactis) (no probiotic in liquid or concentrate)	20 kcal/oz (concentrate diluted)	partially hydrolyzed whey	2.2	palm olein, soy, coconut oils, high-oleic safflower or sunflower oil; M. alpina, C. cohnii oils (source of ARA, DHA)	5.1	lactose, corn maltodextrin, GOS	11.6	67	38	27	108	-250
Gerber® Good Start® Gentle for Supplementing (B. lactis) powder (non-GMO)	20 kcal/oz	partially hydrolyzed whey	2.2	palm olein, soy, coconut oils, high-oleic safflower or sunflower oil; M. alpina, C. cohnii oils (source of ARA, DHA)	5.1	lactose, corn maltodextrin	11.2	67	38	27	108	250
Gerber® Goodstart® Soothe Stage 1 (Nestle) (L. reuteri) powder (non-GMO)	20 kcal/oz	partially hydrolyzed whey	2.2	palm olein, soy, coconut oils, high-oleic safflower or sunflower oil; M. alpina, C. cohnii oils (source of ARA, DHA)	5.1	corn maltodextrin, lactose (30%)	11.2	72	40	27	108	195
Organic Premium infant formula (The Honest Company) powder	20 kcal/oz	organic: nonfat milk, whey protein concentrate	2.2	organic: palm or palm olein, soy, coconut oils, high oleic safflower or sunflower oil	5.3	organic: lactose, glucose syrup solids	10.6	78	42	24	84	n/a
Organic Sensitive Formula (The Honest Company) powder	20 kcal/oz	organic: nonfat milk, whey protein concentrate	2.2	organic: palm or palm olein, soy, coconut, high oleic safflower or sunflower oil	5.3	(lactose) organic: glucose syrup solids, maltodextrin, FOS	10.6	78	42	24	84	n/a
Pure Bliss™ by Similac® Infant Formula (Abbott) powder (non-GMO)	19 kcal/oz	nonfat milk (grass-fed cows), whey protein concentrate	2.07	high oleic sunflower oil, soy and coconut oils; C. cohnii, M. alpina oils (source of DHA, ARA)	5.6	lactose, GOS	10.7	82	44	25	110	305

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Standard Milk-Based Infant Formulas												
FORMULA	Kcals/oz RTU or standard preparation	Protein		Fat		Carbohydrate		Calcium	Phos	Na	K	Osmolality
		Source	gm/100 kcal	Source	gm/100 kcal	Source	gm/100 kcal	mg/100 kcal	mg/100 kcal	mg/100 kcal	mg/100 kcal	mOsm/kg water
Similac® Advance® (Abbott) powder and Non-GMO powder and liquid	19 kcal/oz	nonfat milk, whey protein concentrate	2.07	high oleic safflower oil, soy and coconut oils; C.ohnii, M. alpina oils (source of DHA, ARA)	pwd:5.6 liq:5.4	lactose, GOS	pwd:10.7 liq:11.2	82	44	25	110	-310
Similac® Advance® 20 (Abbott) powder, liquid, concentrate	20 kcal/oz	nonfat milk, whey protein concentrate	2.07	high oleic safflower oil, soy and coconut oils; C.ohnii, M. alpina oil (source of DHA, ARA)	pwd:5.6 liq:5.4	lactose, GOS	pwd:10.7 liq:11.2	78	42	24	105	-310
Similac Pro Advance™ (Abbott) powder and liquid Non-GMO	19 kcal/oz	nonfat milk, whey protein concentrate	2.07	high oleic safflower oil, soy and coconut oils; C.ohnii, M. alpina oils (source of DHA, ARA)	pwd:5.6 liq:5.4	lactose, 2'-fucosyllactose, FOS	pwd:10.5 liq:11	82	44	25	110	-310
Similac® For Spit-Up (Abbott) powder (also Non-GMO version powder and liquid)	19 kcal/oz	milk protein isolate	2.14	high oleic safflower oil, soy and coconut oils; C.ohnii, M. alpina oils (source of DHA, ARA)	5.4	corn syrup, rice (or modified rice) starch, sugar, GOS (<1% lactose)	11	88	59	32	110	-180
Similac® For Supplementation Non-GMO (Abbott) powder and 2 oz RTF	19 kcal/oz	nonfat milk, whey protein concentrate	2.07	high oleic safflower oil, soy and coconut oils; C.ohnii, M. alpina oils (source of DHA, ARA)	pwd:5.6 RTF:5.4	lactose, GOS	pwd:10.8 RTF:11.3	82	44	25	110	-290
Similac® Organic (Abbott) powder, liquid	20 kcal/oz	organic nonfat milk	2.07	organic: high oleic sunflower oil, soy and coconut oils; C.ohnii, M. alpina oils (source of DHA, ARA)	pwd:5.6 liq:5.4	organic: maltodextrin, lactose, sugar; FOS	pwd:10.4 liq:10.9	78	42	24	105	-225
Similac Pro- Sensitive™ (Abbott) powder and liquid Non-GMO	19 cal/oz	milk protein isolate	2.1	high oleic safflower oil, soy and coconut oils; C.ohnii, M. alpina oils (source of DHA, ARA)	5.4	corn syrup, (or maltodextrin used in liquid) sugar, 2'-fucosyllactose, FOS (<1% lactose)	10.9	88	59	32	110	-200
Similac Sensitive® (Abbott) powder and liquid (available in Non-GMO)	19 cal/oz	milk protein isolate	2.1	high oleic safflower oil, soy and coconut oils; C.ohnii, M. alpina oils (source of DHA, ARA)	5.4	corn syrup (or maltodextrin used in RTF), sugar, GOS (<1% lactose)	11.1	88	59	32	110	-200
Similac Sensitive® 20 (Abbott) concentrated liquid	20 kcal/oz (diluted)	milk protein isolate	2.1	high oleic safflower oil, soy and coconut oils; C.ohnii, M. alpina oils (source of DHA, ARA)	5.4	maltodextrin, sugar, GOS (contains <1% modified cornstarch) (<1% lactose)	11.1	84	56	30	107	200
Similac Total Comfort™ (Abbott) powder (available in Non-GMO powder and RTF)	19 kcal/oz	whey protein hydrolysate	2.32	high oleic safflower oil, soy and coconut oils; C.ohnii, M. alpina oils (source of DHA, ARA)	5.4	maltodextrin (or corn syrup solids in RTF Non-GMO), sugar, GOS	11	105	70	46	121	-200

Infant Formulas for 6-12 Months of Age with Solids Introduced to Diet												
FORMULA	Kcals/oz standard preparation	Protein		Fat		Carbohydrate		Calcium	Phos	Na	K	Osmolality
		Source	gm/100 kcal	Source	gm/100 kcal	Source	gm/100 kcal	mg/100 kcal	mg/100 kcal	mg/100 kcal	mg/100 kcal	mOsm/kg water
Gerber® Goodstart® Gentle Stage 2 (Nestlé) (B. lactis) non-GMO powder	20 kcal/oz	partially hydrolyzed whey	1.9	palm olein, soy, coconut, high-oleic safflower or sunflower oils; M. alpina, C. cohniil oils (source of ARA, DHA)	5.1	lactose, corn maltodextrin, GOS	11.9	87	50	27	108	250
Gerber® Goodstart® Soothe Stage 2 (Nestlé) (L. reuteri) non-GMO powder	20 kcal/oz	partially hydrolyzed whey	1.9	palm olein, soy, coconut, high-oleic safflower or sunflower oils; M. alpina, C. cohniil oils (source of ARA, DHA)	5.1	corn maltodextrin, lactose (30%)	11.7	87	50	27	108	180

Calorie Dense Milk-Based Infant Formulas												
FORMULA	Kcals/oz RTU	Protein		Fat		Carbohydrate		Calcium	Phos	Na	K	Osmolality
		Source	gm/100 kcal	Source	gm/100 kcal	Source	gm/100 kcal	mg/100 kcal	mg/100 kcal	mg/100 kcal	mg/100 kcal	mOsm/kg water
Similac® With Iron 24 (Abbott) 2 oz RTF	24 kcal/oz	nonfat milk, whey protein concentrate	2.07	high oleic safflower oil, coconut and soy oils	5.5	lactose	10.6	79	42	27	117	380
Enfamil® 24 (Mead Johnson) 2 oz RTF (also available in low iron)	24 kcal/oz	nonfat milk, whey protein concentrate (80:20 whey:casein)	2.1	palm olein, soy, coconut oils, high oleic sunflower oil; M. alpina, C. cohniil oils (source of ARA, DHA)	5.3	lactose, GOS, PDX	11.2	78	43	27	108	370

Reduced Mineral Milk-Based Infant Formula												
FORMULA	Kcals/oz standard preparation	Protein		Fat		Carbohydrate		Calcium	Phos	Na	K	Osmolality
		Source	gm/100 kcal	Source	gm/100 kcal	Source	gm/100 kcal	mg/100 kcal	mg/100 kcal	mg/100 kcal	mg/100 kcal	mOsm/kg water
Similac® PM 60/40 Low Iron Formula (Abbott) powder	20 kcal/oz	whey protein concentrate and sodium caseinate (60:40 whey:casein)	2.2	high oleic safflower oil, soy and coconut oils	5.6	lactose	10.2	56	28	24	80	280

Soy Protein-Based Infant Formulas												
FORMULA	Kcals/oz RTU or standard preparation	Protein		Fat		Carbohydrate		Calcium	Phos	Na	K	Osmolality
		Source	gm/100 kcal	Source	gm/100 kcal	Source	gm/100 kcal	mg/100 kcal	mg/100 kcal	mg/100 kcal	mg/100 kcal	mOsm/kg water
Earth's Best® Organic Soy (Hain Celestial) powder	20 kcal/oz	organic soy protein, L-methionine	2.5	organic: palm olein or palm, soy, coconut, high oleic safflower or sunflower oils; M. alpina, C.ohnii oils (source of ARA, DHA)	5.3	organic glucose syrup solids	10.6	105	69	36	120	n/a
Enfamil® ProSobee® (Mead Johnson) powder, liquid, liquid concentrate	20 kcal/oz	soy protein isolate, L-methionine	2.5	palm olein, coconut, soy, high oleic sunflower oils; M. alpina, C.ohnii oils (source of ARA, DHA)	5.3	corn syrup solids	10.6	105	69	36	120	pwd:178 liq:170-200
Gerber® Goodstart® Soy Stage 1 non-GMO (Nestle) powder, liquid, concentrate	20 kcal/oz	partially hydrolyzed soy, L-methionine	2.5	palm olein, soy, coconut oils, high-oleic safflower or sunflower oil; M. alpina, C.ohnii oils (source of ARA, DHA)	5.1	corn maltodextrin, sucrose (concentrate and RTU has <1.5% comstarch)	11.1	105	63	40	116	-180
Similac® For Diarrhea (Abbott) liquid	20 kcal/oz	soy protein isolate, L-methionine	2.66	soy, coconut oils	5.46	corn syrup, sugar, soy fiber (0.9 gm fiber/100 kcal)	10.1	105	75	44	108	240
Similac® Soy Isomil® (Abbott) powder and 2 oz RTF	19 kcal/oz	soy protein isolate, L-methionine	2.45	high oleic safflower oil, soy and coconut oils; C.ohnii, M. alpina oils (source of DHA, ARA)	5.46	corn syrup (or corn syrup solids), sugar, FOS	10.4	110	79	46	110	-200
Similac® Soy Isomil® 20 (Abbott) powder, liquid, concentrate	20 kcal/oz	soy protein isolate, L-methionine	2.45	high oleic safflower oil, soy and coconut oils; C.ohnii, M. alpina oils (source of DHA, ARA)	5.46	corn syrup (or solids), sugar, FOS (1% modified comstarch in concentrate)	10.4	105	75	44	108	-200

Casein Hydrolysate-Based Infant Formulas

FORMULA	Kcals/ oz RTU or standard preparation	Protein		Fat		Carbohydrate		Calcium	Phos	Na	K	Osmolality
		Source	gm/100 kcal	Source	gm/100 kcal	Source	gm/100 kcal	mg/100 kcal	mg/100 kcal	mg/100 kcal	mg/100 kcal	mOsm/kg water
Nutramigen® liquid, concentrate Nutramigen® with Enflora™ LGG® (Mead Johnson) powder	20 kcal/oz	casein hydrolysate, amino acids	2.8	palm olein, soy, coconut, high oleic sunflower oils; M. alpina, C. cohnii oils (source of ARA, DHA)	5.3	corn syrup solids, modified corn starch	10.3	94	52	47	110	conc:260 liq:270-320 pwd:300
Pregestimil® (Mead Johnson) liquid and powder	20 kcal/oz	casein hydrolysate, amino acids	2.8	MCT (55%), soy, (pwd: corn), high oleic safflower oils; M. alpina, C. cohnii oils (source of ARA, DHA)	5.6	corn syrup solids, modified corn starch	10.2	94	52	47	110	liq:290 pwd:320
Pregestimil® 24 (Mead Johnson) liquid	24 kcal/oz	casein hydrolysate, amino acids	2.8	MCT (55%), soy, high oleic safflower oils; M. alpina, C. cohnii oils (source of ARA, DHA)	5.6	corn syrup solids, modified corn starch	10.2	94	52	47	110	340
Similac® Alimentum® (Abbott) liquid and powder	20 kcal/oz	casein hydrolysate, amino acids	2.75	safflower oil (may be high oleic), MCT (33%), soy oil; C. cohnii, M. alpina oils (source of DHA, ARA)	5.54	liq: (corn free) sugar, modified tapioca starch pwd: corn maltodextrin, sugar	10.2	105	75	44	118	pwd:315 liq:370

Extensively Hydrolyzed Whey Protein-Based Infant Formula

FORMULA	Kcals/oz standard preparation	Protein		Fat		Carbohydrate		Calcium	Phos	Na	K	Osmolality
		Source	gm/100 kcal	Source	gm/100 kcal	Source	gm/100 kcal	mg/100 kcal	mg/100 kcal	mg/100 kcal	mg/100 kcal	mOsm/kg water
Gerber® Extensive HA® (Nestle) (B. lactis) powder	20 kcal/oz	enzymatically hydrolyzed whey protein isolate	2.6	MCT (49%), soy oil, high oleic sunflower and high Z-palmitic vegetable oils; M. alpina, C. cohnii oils (source of ARA, DHA)	5.1	corn maltodextrin, potato starch	10.9	90	63	38	98	220

Infant Amino Acid-Based Formulas												
FORMULA	Kcals/oz standard preparation	Protein		Fat		Carbohydrate		Calcium	Phos	Na	K	Osmolality
		Source	gm/100 kcal	Source	gm/100 kcal	Source	gm/100 kcal	mg/100 kcal	mg/100 kcal	mg/100 kcal	mg/100 kcal	mOsm/kg water
Alfamino® Infant (Nestle) powder	20 kcal/oz	free amino acids	2.8	MCT (43%), soybean, high oleic sunflower, high 2-palmitic vegetable oils; M. alpina, C. cohnii oils (source of ARA, DHA)	5	corn syrup solids, potato starch, (<2% maltodextrin)	11	119	78	40	100	330
Elecare® for Infants (Abbott) powder	20 kcal/oz	free amino acids	3.1	high oleic safflower oil, MCT (33%), soy oil, C. cohnii, M. alpina oils (source of DHA, ARA)	4.8	corn syrup solids	10.7	116	84	45	150	350
Neocate® Infant w/DHA & ARA (Nutricia) powder	20 kcal/oz	free amino acids	2.8	MCT (33%), high oleic sunflower oil, canola oil; C. cohnii, M. alpina oils (source of DHA, ARA)	5.1	corn syrup solids	10.8	116	82	39	109	340
Neocate® Syneo infant (Nutricia) (B. breve M-16V) non-GMO powder	20 kcal/oz	free amino acids	2.8	MCT (33%), high oleic sunflower oil, sunflower and canola oils; C. cohnii, M. alpina oils (source of DHA, ARA)	4.8	corn syrup solids, FOS (oligofructose, inulin) (1 gm fiber/100 kcal)	11.3	116	82	39	108	360
PurAmino™ (Mead Johnson) powder	20 kcal/oz	free amino acids	2.8	high oleic sunflower oil, MCT (33%), soy oil; M. alpina, C. cohnii oils (source of ARA, DHA)	5.3	corn syrup solids, modified tapioca starch	10.6	94	52	47	110	350

Reduced Carbohydrate/No Added Carbohydrate Formulas												
FORMULA	Kcal	Protein		Fat		Carbohydrate		Ca mg	Phos mg	Na mg	K mg	mOsm/kg water
		Source	gm	Source	gm	Source	gm					
RCF® (Abbott) concentrated liquid	20 kcal/oz* *when mixed as directed with 54 gm CHO, 12 oz water, 13 oz RCF	soy protein isolate, L-methionine	3/100 kcal*	high oleic safflower oil, soy, coconut oils	5.3/100 kcal*	selected by provider	10.1/100 kcal*	105/100 kcal*	75/100 kcal*	44/100 kcal*	108/100 kcal*	168*
3232 A (Mead Johnson) powder	20 kcal/oz* *as directed 81 gm with 59 gm added CHO	casein hydrolysate, L-amino acids	2.8/100 kcal*	MCT (82%), corn oil	4.2/100 kcal*	modified tapioca starch, CHO selected by provider*	13.4/100 kcal*	94/100 kcal*	62/100 kcal*	43/100 kcal*	109/100 kcal*	varies with the amount and type of CHO added
ProViMin® (Abbott) powder	313/100 gm	sodium caseinate, L-amino acids	73/100 gm	coconut oil (additional selected by provider)	1.4/100 gm	none added (selected by provider)	2/100 gm	2400/100 gm	1700/100 gm	1200/100 gm	3300/100 gm	varies with the amount of fat, CHO, and water added

Formulas High in MCT												
FORMULA	Kcals/ oz RTU or standard preparation	Protein		Fat		Carbohydrate		Calcium	Phos	Na	K	Osmolality
		Source	gm/100 kcal	Source	gm/100 kcal	Source	gm/100 kcal	mg/100 kcal	mg/100 kcal	mg/100 kcal	mg/100 kcal	mOsm/kg water
Enfaport™ (Mead Johnson) liquid (infant formula)	30 kcal/oz (commonly diluted)	calcium and sodium caseinate (milk)	3.5	MCT (84%), soy, M. alpina, C. cohnii oils (source of ARA, DHA)	5.5	corn syrup solids	10	94	52	30	115	290
Monogen® (Nutricia) powder	30 kcal/oz	skim milk, whey, caseinate	2.9	(84% MCT) modified palm kernel and/or coconut oil, walnut oil, C. cohnii, M alpina oils (source of DHA, ARA)	2.9	maltodextrin, corn syrup solids, lactose	15.6	72	44	43	84	-290
Portagen® (Mead Johnson) powder	30 kcal/oz	sodium caseinate (milk)	3.5	MCT (87%), corn oil	4.7	corn syrup solids, sugar	11.5	94	70	55	126	350

Toddler Formulas and Milk												
FORMULA	Kcals/ oz RTU or standard preparation	Protein		Fat		Carbohydrate		Calcium	Phos	Na	K	Osmolality
		Source	gm/100 kcal	Source	gm/100 kcal	Source	gm/100 kcal	mg/100 kcal	mg/100 kcal	mg/100 kcal	mg/100 kcal	mOsm/kg water
Whole Milk, 3.25% milk fat	19 kcal/oz	cow's milk	5.2	cow's milk	5.3	lactose	7.9	185	137	70	216	-300
Baby's Only Organic® Dairy and Organic® Dairy with DHA & ARA (Nature's One) powder (1 year +)	20 kcal/oz	organic nonfat milk	2.6	organic: high oleic sunflower and/or high oleic safflower oil, soybean, coconut oils; with DHA & ARA formula: contains egg phospholipid	5.3	organic: brown rice syrup, lactose	10.8	121	83-90	33	137-147	-260-270
Baby's Only Organic® Dairy with Whey Protein and Organic® Dairy with Whey Protein with DHA & ARA (Nature's One) powder (1 year +)	20 kcal/oz	organic: whey powder, nonfat milk	2.6	organic: high oleic sunflower and/or high oleic safflower oil, soybean, coconut oils; with DHA & ARA formula: contains egg phospholipid	5.3	organic lactose	10.8	110	70-75	40	139	-330
Baby's Only Organic® LactoRelief™ with DHA & ARA (Nature's One) powder (1 year +)	20 kcal/oz	organic lactose free milk protein concentrate	2.8	organic: high oleic sunflower and/or high oleic safflower oil, soybean, coconut oils; egg phospholipid (source of DHA/ARA)	5.3	organic brown rice syrup	10.8	107	70	42	138	-260
Baby's Only Organic® Soy (Nature's One) powder (1 year +)	20 kcal/oz	organic soy protein concentrate	2.8	organic: high oleic sunflower and/or high oleic safflower, soybean, coconut oils	5.3	organic brown rice syrup	10.8	107	70	42	138	385
Enfagrow® Next Step® (Mead Johnson) Natural Milk Flavor and Vanilla Flavor Ready-to-Drink (8 oz cartons) (1-3 years)	20 kcal/oz	milk protein concentrate, nonfat milk	4	palm olein, soy, coconut, high oleic sunflower oils, C. cohnii oil (source of DHA)	3.9	corn syrup, lactose, sucrose, GOS, PDX	12.5	156	117	26	188	n/a

Toddler Formulas and Milk												
FORMULA	Kcals/ oz RTU or standard preparation	Protein		Fat		Carbohydrate		Calcium	Phos	Na	K	Osmolality
		Source	gm/100 kcal	Source	gm/100 kcal	Source	gm/100 kcal	mg/100 kcal	mg/100 kcal	mg/100 kcal	mg/100 kcal	mOsm/kg water
Enfagrow® Toddler Next Step® (Mead Johnson) (1-3 years) Vanilla or Natural Milk powder	23 kcal/oz (pwd:1/3 cup (4 scoops) with 6 oz water)	nonfat milk	4	palm olein, soy, coconut, high oleic sunflower, tuna fish (source of DHA) oils	3.9	lactose, corn syrup solids (sucrose in vanilla), GOS, PDX	12.5	156	117	50	188	n/a
Enfagrow Premium™ Toddler Transitions® (Mead Johnson) (9-18 months) powder	20 kcal/oz	nonfat milk	2.6	palm olein, coconut, soy, high oleic sunflower oils; M. alpina, C. cohnii oils (source of ARA, DHA)	5.3	lactose, corn syrup solids, GOS, PDX	10.8	200	130	36	130	270
Enfagrow® Toddler Transitions® Gentlease® (Mead Johnson) (9-18 months) powder	20 kcal/oz	partially hydrolyzed nonfat milk and whey protein concentrate (whey:casein 60:40) (may contain trace soy)	2.6	palm olein, coconut, soy and high oleic sunflower oils; M. alpina, C. cohnii oils (source of ARA, DHA)	5.3	corn syrup solids, lactose	10.5	200	130	40	130	230
Enfagrow® Toddler Transitions® Soy (Mead Johnson) (9-18 months) powder	20 kcal/oz	soy protein isolate, L-methionine	3.3	palm olein, soy, coconut oils, high oleic sunflower oil; M. alpina, C. cohnii oils (source of ARA, DHA)	4.4	corn syrup solids	11.8	200	130	36	120	230
Gerber® Good Start® Grow Stage 3 (Nestle) 12-24 months (B. lactis) non-GMO powder	20 kcal/oz	nonfat milk	3	high oleic safflower oil, soy, palm olein and coconut oils; M. alpina, C. cohnii oils (source of ARA, DHA)	4	corn maltodextrin, lactose, sugar	12	215	185	39	262	n/a
Gerber® Good Start® Soy Stage 3 (Nestle) 9-24 months non-GMO powder	20 kcal/oz	partially hydrolyzed soy	2.8	palm olein, soy, coconut oils, high oleic safflower or sunflower oil; M. alpina, C. cohnii oils (source of ARA, DHA)	5	corn maltodextrin, sugar	10.9	190	106	40	116	180
Go and Grow by Similac® Sensitive Toddler Drink (Abbott) 12-24 months (available non-GMO) powder	~19 kcal/oz (per Abbott when prepared as directed)	milk protein isolate	2.7	high oleic safflower oil, soy, coconut oils; C. cohnii, M. alpina oils (source of DHA, ARA)	5.3	corn syrup, sugar, GOS	10.7	187	133	30	153	300
Go and Grow by Similac® Toddler Drink (Abbott) 12-24 months (available non-GMO form) unflavored and vanilla powder	~19 kcal/oz (per Abbott when prepared as directed)	nonfat milk	2.7	high oleic safflower oil, soy, coconut oils; C. cohnii, M. alpina oils (source of DHA, ARA)	5.3	lactose, (sucrose in vanilla flavor) GOS	10.7	187	133	30	153	300
Pure Bliss™ by Similac® Toddler Drink (Abbott) 12-36 months (B. lactis) non-GMO powder	~19 kcal/oz (per Abbott when prepared as directed)	nonfat milk from grass fed cows	2.95	high oleic sunflower oil, soy and coconut oils; C. cohnii, M. alpina oils (source of DHA, ARA)	4.7	lactose, corn maltodextrin, GOS	10	118	71	38	141	~300

Pediatric Enteral Formulas and Oral Supplements

FORMULA	Kcals/ ml RTU or standard preparation	Protein		Fat		Carbohydrate		Calcium	Phos	Na	K	Osmolality
		Source	gm/100 kcal	Source	gm/100 kcal	Source	gm/100 kcal	mg/100 kcal	mg/100 kcal	mg/100 kcal	mg/100 kcal	mOsm/kg water
Boost® Kid Essentials™ (Nestle) vanilla, strawberry, chocolate	1 kcal/ml	sodium and calcium caseinates, whey protein concentrate	3	high oleic sunflower oil, soy oil, MCT (20%)	3.8	maltodextrin, sugar	13.5	127	84	55	114	van: 550 straw: 570 choc: 600
Boost® Kid Essentials™ 1.5 (Nestle) vanilla, chocolate, strawberry and with Fiber vanilla	1.51 kcal/ml	sodium and calcium caseinates, whey protein concentrate	2.8	soy, high oleic sunflower oils, MCT (10%)	5.1	maltodextrin, sugar with Fiber: soy fiber, partially hydrolyzed guar gum (0.6 gm fiber/100 kcal)	11	99	84	46	87	van: 390 Fiber: 405
Bright Beginnings™ Soy Pediatric Drink (Perrigo) vanilla	1 kcal/ml	soy protein isolate	3	high oleic safflower or sunflower oil, soy, MCT, DHA algal oils	5	sucrose, maltodextrin, scFOS, inulin, oligofructose (1.1 gm fiber/100 kcal)	11	97	90	38	156	515
Compleat® Pediatric (Nestle) unflavored	1 kcal/ml	chicken powder, milk protein concentrate, pea protein isolate	3.8	canola oil, MCT (20%)	3.8	brown rice syrup, tomato paste, green bean powder, peach, carrot powder, pea powder, cranberry juice, gum acacia, FOS, inulin (0.8 gm fiber/100 kcal)	13.6	140	108	76	170	400
Nourish™ (Functional Formularies)	1.1 kcal/ml (355 ml pouch=400 kcal)	organic: beans, peas, brown rice, brown rice protein, quinoa	3.5	organic: olive oil, flax	4.25	organic: beans, brown rice, peas, carrots, sweet potato, broccoli, kale, quinoa, seaweed (1.75 gm fiber/100 kcal)	12.5	95	42	98	146	n/a
Nutren Junior® (Nestle) vanilla and with Fiber vanilla	1 kcal/ml	milk protein concentrate, whey protein concentrate (50% whey)	3	soybean, canola oils, MCT (20%)	5	maltodextrin, sugar with Fiber: pea fiber, FOS, inulin (0.6 gm fiber/100 kcal)	11	120	84	46	132	350
Pediasmart® Dairy (Nature's One) powder vanilla, chocolate	1 kcal/ml	organic lactose free milk protein concentrate	3.1	organic: high oleic sunflower and/or safflower oil, soy, coconut oils	3.9	organic: rice maltodextrin, evaporated cane sugar	13.1	104	83	38	129	choc: 490 van: 590
Pediasmart® Soy (Nature's One) powder vanilla	1 kcal/ml	organic soy protein concentrate	3.1	organic: high oleic sunflower and/or safflower oil, soy, coconut oils	3.9	organic: rice maltodextrin, evaporated cane sugar (0.4 gm fiber/100 kcal)	13.1	83	63	46	129	403
Pediasure® (Abbott) Enteral 1.0 Cal vanilla and with Fiber vanilla	1 kcal/ml	milk protein concentrate	3	high oleic safflower oil, soy oil, MCT (15%)	3.8	corn maltodextrin, sugar with Fiber: scFOS, oat fiber, soy fiber, gum arabic (1.3 gm fiber/100 kcal)	13.9-14.3	106	84	38	131	340 Fiber: 350

▼ Continued on next page ▼

Pediatric Enteral Formulas and Oral Supplements												
FORMULA	Kcals/ ml RTU or standard preparation	Protein		Fat		Carbohydrate		Calcium	Phos	Na	K	Osmolality
		Source	gm/100 kcal	Source	gm/100 kcal	Source	gm/100 kcal	mg/100 kcal	mg/100 kcal	mg/100 kcal	mg/100 kcal	mOsm/kg water
Pediasure® Grow & Gain (Abbott) "Therapeutic" (is non-retail) vanilla, chocolate, strawberry, banana (retail also berry)	1 kcal/ml	milk protein concentrate, soy protein isolate, nonfat milk	3	canola, corn, tuna (source of DHA) oils	3.8	corn maltodextrin, sugar (also contains stevia leaf and monk fruit extract) (<0.4 gm fiber/100 kcal)	13.9	106	84	38	148-160	choc: 440 450
Pediasure® Grow & Gain (Abbott) with Fiber vanilla (retail vanilla and strawberry)	1 kcal/ml	milk protein concentrate, soy protein isolate	3	high oleic safflower oil, canola, tuna (source of DHA) oils	3.8	sugar, corn maltodextrin, scFOS, soy fiber (1.3 gm fiber/100 kcal)	13.9	106	84	38	148	490
Pediasure® Grow & Gain Shake Mix (Abbott) vanilla (not intended for sole source nutrition- see instructions for use)	1 kcal/ml* *per Abbott when 1/3 cup (38 gm) mixed with 3/4 cup 1% milk	*cow's milk; sodium and calcium caseinates, soy protein isolate	*5	*cow's milk, corn oil	*3.3	*cow's milk (lactose), corn syrup, corn maltodextrin, sugar	*13.3	*146	*104	*88	*208	n/a
Pediasure® 1.5 (Abbott) vanilla and with Fiber vanilla	1.5 kcal/ml	milk protein concentrate	3.9	high oleic safflower oil, soy oil, MCT (10%); C. cohnii oil (source of DHA)	4.5	corn maltodextrin (also contains sucralose) with Fiber: scFOS, oat and soy fiber (0.9 gm fiber/100 kcal)	10.7	99	70	25	110	370 Fiber: 390

Reduced Calorie Pediatric Formulas												
FORMULA	Kcals/ml RTU	Protein		Fat		Carbohydrate		Calcium	Phos	Na	K	Osmolality
		Source	gm/100 kcal	Source	gm/100 kcal	Source	gm/100 kcal	mg/100 kcal	mg/100 kcal	mg/100 kcal	mg/100 kcal	mOsm/kg water
Compleat® Pediatric Reduced Calorie (Nestle) unflavored	0.6 kcal/ml	chicken powder, milk protein concentrate, pea protein isolate	5	canola oil, MCT (20%)	3.3	green bean powder, tomato paste, peach, cranberry juice, carrot, brown rice syrup, pea powder, gum acacia, FOS, inulin (1.7 gm fiber/100 kcal)	14.7	233	180	127	283	310
Pediasure® SideKicks (Abbott) vanilla (vanilla, chocolate, strawberry retail)	0.63 kcal/ml	milk protein concentrate, soy protein isolate, whey protein concentrate	4.7	soy oil	3.3	sugar, scFOS (2 gm fiber/100 kcal)	14.1	167	133	60	260-280	van: 420

Pediatric Peptide-Based Formulas												
FORMULA	Kcals/ ml RTU or standard preparation	Protein		Fat		Carbohydrate		Calcium	Phos	Na	K	Osmolality mOsm/kg water
		Source	gm/100 kcal	Source	gm/100 kcal	Source	gm/100 kcal	mg/100 kcal	mg/100 kcal	mg/100 kcal	mg/100 kcal	
Nutramigen® with Enflora™ LGG®* Toddler (9 - 36 months) (Mead Johnson) powder	0.68 kcal/ml	casein hydrolysate, amino acids	2.5	palm olein, soy, coconut, high oleic sunflower oils; M. alpina, C. cohnii oils (source of ARA, DHA)	4.3	corn syrup solids, modified corn starch	12.8	130	72	37	122	300
Pediasure® Peptide 1.0 (Abbott) vanilla, strawberry, unflavored	1 kcal/ml	whey protein hydrolysate, hydrolyzed sodium caseinate	3	structured lipid (interesterified canola and MCT oil), MCT(60%), canola oil	4.1	corn maltodextrin, sugar (flavored- also contains sucralose), scFOS (0.3 gm fiber/100 kcal)	13.4	106	84	72	135	unfl: 250 390
Pediasure® Peptide 1.5 (Abbott) vanilla	1.5 kcal/ml	whey protein hydrolysate, hydrolyzed sodium caseinate	3	structured lipid (interesterified canola and MCT oil), MCT (60%), canola oil	4.1	corn maltodextrin, scFOS (also contains sucralose) (0.3 gm fiber/100 kcal)	13.4	105	84	72	135	450
Pepdite ® Junior (Nutricia) unflavored	1 kcal/ml	hydrolyzed protein (soy, pork), free amino acids	3.1	fractionated coconut oil (35% MCT), canola, high oleic safflower oils	5	corn syrup solids	10.6	113	94	41	136	430
Peptamen Junior® (Nestle) unflavored, vanilla, strawberry, chocolate with Fiber in vanilla	1 kcal/ml	enzymatically hydrolyzed whey protein	3	MCT (60%) from coconut and/or palm kernel oil, soybean, canola oils	3.8	maltodextrin, sugar, <2% cornstarch (flavored contains sucralose) with Fiber also contains: pea fiber, FOS, inulin (0.7 gm fiber/100 kcal)	13.6	112	84	46	132	unfl:260 van/choc: 380 straw:400 Fiber: 390
Peptamen Junior® with Prebio™ (Nestle) vanilla and chocolate	1 kcal/ml	enzymatically hydrolyzed whey protein	3	MCT (60%) from coconut and/or palm kernel oil, soybean, canola oils	3.8	sugar, maltodextrin, <2% corn starch, FOS, inulin (0.4 gm fiber/100 kcal)	13.6	112	84	46	132	choc:390 van:435
Peptamen Jr® HP (Nestle) vanilla	1.2 kcal/ml	enzymatically hydrolyzed whey protein	4	MCT (60%), soybean, canola oils	4	maltodextrin, sugar, <2% cornstarch, FOS, inulin (0.5 gm fiber/100 kcal)	12.7	113	83	47	140	440
Peptamen Junior® 1.5 (Nestle) unflavored	1.5 kcal/ml	enzymatically hydrolyzed whey protein	3	MCT (60%) from coconut and/or palm kernel oil, soybean, canola, tuna (for EPA/ DHA) oils	4.5	maltodextrin, <2% cornstarch, OS, inulin (0.4 gm fiber/100 kcal)	12	110	90	46	132	450

Pediatric Amino Acid-Based Formulas												
FORMULA	Kcals/ ml RTU or standard preparation	Protein		Fat		Carbohydrate		Calcium	Phos	Na	K	Osmolality
		Source	gm/100 kcal	Source	gm/100 kcal	Source	gm/100 kcal	mg/100 kcal	mg/100 kcal	mg/100 kcal	mg/100 kcal	mOsm/kg water
Alfamino® Junior (Nestle) unflavored powder	1 kcal/ml	free amino acids	3.3	MCT (65%), soy oil	4.4	corn syrup solids, potato starch, <2% maltodextrin	12.2	120	84	48	140	590
EleCare® Jr. (Abbott) unflavored, vanilla, banana, chocolate powder	1 kcal/ml	free amino acids	3.1	high oleic safflower oil, MCT (33%), soy oil	4.9	corn syrup solids (flavored contains sucralose, aspartame, acesulfame K)	10.7	117	85	46	153	unfl/van:590 ban/choc: -610
(Neocate®) E028 Splash (Nutricia) grape, tropical fruit and orange-pineapple liquid	1 kcal/ml	free amino acids	2.5	fractionated coconut oil, canola, high oleic sunflower, palm kernel oils (35% MCT)	3.5	maltodextrin, sugar (contains acesulfame potassium), +/- <2% corn syrup solids	14.6	62	62	20	93	820
New Formulation (9/2017) Neocate® Splash (Nutricia) grape, tropical fruit and orange-pineapple	1 kcal/ml	free amino acids	3	see product label (35% MCT, no soy oil)	5.1	see product label	10.5	118	80	50	137	740-790
Neocate® Junior (Nutricia) unflavored, tropical, chocolate powder	1 kcal/ml	free amino acids	3.3 trop/ choc:3.5	palm kernel and/or coconut, canola, high oleic safflower oils (35% MCT)	5 trop/ choc: 4.7	corn syrup solids (chocolate contains sugar) (flavored also contains acesulfame potassium or sucralose)	10.4 trop/ choc:11	118 trop/ choc: 120	80	50	137- 145	unfl:550 trop:630 choc:650
Neocate® Junior with Prebiotics (Nutricia) unflavored, vanilla, strawberry powder	1 kcal/ml	free amino acids	unfl:3.3 van:3.5 stra:3.4	palm kernel and/or coconut, canola, high oleic safflower oils (35% MCT)	unfl: 5 van/4.6 stra:4.6	corn syrup solids, FOS, inulin (vanilla and strawberry also contain sugar, sucralose) (0.4 gm fiber/100 kcal	unfl:10.4 van:11.2 stra:11.3	unfl:118 van:118 stra:120	80- 82	50- 51	137-142	unfl:550 stra:630 van:650
Neocate® Splash (Nutricia) unflavored liquid	1 kcal/ml	free amino acids	3	high oleic sunflower, MCT (35%) from modified palm kernel and/or coconut), canola oil	5.1	maltodextrin, sugar	10.5	118	80	50	137	670
PurAmino™ Toddler (Mead Johnson) powder	1 kcal/ml	free amino acids	2.8	high oleic sunflower, MCT (33%), soy; M. alpina, C. cohnii oils (source of ARA, DHA)	5.3	corn syrup solids, modified tapioca starch	10.6	94	52	47	110	n/a
Tolerex® (Nestle) unflavored powder (recommended for use >3 years)	1 kcal/ml	free amino acids	2	safflower oil	0.2	maltodextrin, modified comstarch	22.6	55	55	50	117	550
Vivonex® Pediatric (Nestle) unflavored powder	0.8 kcal/ml	free amino acids	3	MCT (70%), soy oil	2.9	maltodextrin, modified comstarch	16	140	105	50	150	360

Formulas Designed for the Renal Population												
FORMULA	Kcals/ ml RTU or standard preparation	Protein		Fat		Carbohydrate		Calcium	Phos	Na	K	Osmolality
		Source	gm/100 kcal	Source	gm/100 kcal	Source	gm/100 kcal	mg/100 kcal	mg/100 kcal	mg/100 kcal	mg/100 kcal	mOsm/kg water
Nepro® with Carb Steady®* (Abbott) vanilla, berry, butter pecan	1.8 kcal/ml	calcium, magnesium, and sodium caseinates, milk protein isolate	4.5	high oleic safflower oil, canola oil	5.3	corn syrup solids, sugar, corn maltodextrin (including Fibersol), glycerine, scFOS (0.7 gm fiber/100 kcal)	8.9	59	40	59	59	745
Renalcal®* (Nestle) unflavored	2 kcal/ml	whey protein concentrate, amino acids	1.7	MCT (70%), canola, corn oils	4.1	maltodextrin, cornstarch	14.6	3	5	3	4	600
Renastart™ (Vitafo) powder 1+ years	1 kcal/ml	whey protein, sodium caseinate	1.6	palm kernel, palm, canola and sunflower oils; M. alpina, C. cohnii oils (source of ARA, DHA)	4.8	glucose syrup solids, maltodextrin	12.6	22	19	50	23	225
Suplena® with Carb Steady®* (Abbott) vanilla	1.8 kcal/ml	milk protein isolate, sodium caseinate	2.5	high oleic safflower oil, canola oil	5.3	corn maltodextrin (including Fibersol), isomaltulose, sugar, glycerine, scFOS (0.7 gm fiber/100 kcal)	10.9	59	40	45	64	780

*Adult products

Oral Supplements (Not Pediatric Specific or a Sole Source of Nutrition)												
POWDER DRINK MIXES												
PRODUCT	Kcal/ packet	Protein		Fat		Carbohydrate		Calcium	Phos	Na	K	Osmolality
		Source	gm	Source	gm	Source	gm	mg	mg	mg	mg	mOsm/kg water
Scandishake®* (Aptalis) vanilla, strawberry, banana crème, caramel	430 kcal/ 85 gm packet (add to 8 oz milk or water)	nonfat milk, sodium caseinate	4/pkt	partially hydrogenated coconut oil, sunflower oil, MCT, soy oil	21/pkt	lactose, maltodextrin, sugar, corn syrup solids	56/pkt	~150/pkt	~180/pkt	105/pkt	290/pkt	n/a
Carnation Instant Breakfast Essentials® (Nestle) various flavors (nutrition information for Rich Milk Chocolate flavor)	130 kcal/ 36 gm packet (add to 8 oz milk)	nonfat milk	5/pkt	none added	0.5/pkt	sugar, malodextrin, lactose, <2% cornstarch (<1 gm fiber)	27/pkt	~200/pkt	~250/pkt	90/pkt	320/pkt	n/a

CLEAR-LIQUID JUICE DRINKS												
PRODUCT	Kcals/ml RTU	Protein		Fat		Carbohydrate		Calcium	Phos	Na	K	Osmolality
		Source	gm/100 kcal	Source	gm/100 kcal	Source	gm/100 kcal	mg/100 kcal	mg/100 kcal	mg/100 kcal	mg/100 kcal	mOsm/kg water
Boost Breeze® (Nestle) peach, wild berry, orange	1.05 kcal/ml	whey protein isolate	3.6	n/a	0	sugar, corn syrup	21.5	0	60	32	0	750
Ensure® Clear Therapeutic Nutrition** (Abbott) apple, mixed berry	1.01 kcal/ml	whey protein isolate	3.3	n/a	0	sugar, corn syrup solids	21.7	0	0	13	0	700

*there is also a 430 kcal/packet lactose free version, see website for differences in macro/micronutrients.

** 6.8 oz carton to be phased out for 8 oz carton; 10 oz product available retail contain less kcal/ml.

Supplements with Mixed Macronutrients												
PRODUCT	Kcal	Protein		Fat		Carbohydrate		Ca mg	Phos mg	Na mg	K mg	mOsm/kg water
		Source	gm	Source	gm	Source	gm					
Benecalorie® 1.5oz pkg (Nestle) not recommended for tube feeding	7.5 kcal/ml (330 kcal/package)	calcium caseinate (milk)	7/pkg	high oleic sunflower oil	33/pkg	none (sucralose)	0	100/pkg	n/a	20/pkg	n/a	n/a
Duocal® (Nutricia)	25 kcal/scoop (5 gm)	none	0	refined corn and coconut oil, MCT ((35%) fractionated coconut oil, palm kernel oil)	1.1/scoop	hydrolyzed cornstarch	3.65/scoop	trace	trace	trace	trace	310 (at 1:3 dilution)
MCTprocal™ (Vitafo, Nestle)	6.57 kcal/gm (1 packet or 2 scoops= 16 gm)	sodium caseinate (milk)	0.125/gm	coconut, palm kernel oils (99% MCT)	0.631/gm	glucose syrup	0.206/gm	4.5/gm	4.35/gm	2.45/gm	6.25/gm	185 (16 gm+ 60 ml water)
Go and Grow by Similac® Mix-Ins™ (Abbott) unflavored powder packets to add to food (non-GMO)	25 kcal/package (8.7 gm)	whey protein concentrate	3/pkt	whey protein concentrate, C. cohnii oil, sunflower lecithin	<1/pkt	(lactose) FOS (3 gm fiber/package)	4/pkt	100/pkt	100/pkt	15/pkt	25/pkt	n/a

Protein Supplements				
PRODUCT	Kcal	Protein Source	Gm	Notes
Beneprotein® (Nestle)	25 kcal/per scoop (7 gm=1.5 TBSP)	whey protein isolate (milk)	6/scoop	20 mg Ca, 15 mg Na, 30 mg K/scoop; 44 mOsm/kg if mixed w/ 60 ml
Complete Amino Acid Mix (Nutricia)	328 kcal/100 gm (1 tsp=2.9 gm)	free amino acids	82/100 gm	360 mOsm/kg at 5% w/v
Essential Amino Acid Mix (Nutricia)	316 kcal/100 gm (1 tsp=2.7 gm)	essential amino acids	79/100 gm	360 mOsm/kg at 5% w/v
Liquid Protein Fortifier (Abbott)	4 kcal/6 ml	extensively hydrolyzed casein	1/6 ml	1 ml added to 100 ml= -12 mOsm/kg

Fat Supplements				
PRODUCT	Kcal	Fat Source	Gm	Notes
Canola Oil	8 kcal/ml	canola	0.9/ml	
Liquigen® (Nutricia)	4.5 kcal/ml	MCT (palm kernel and/or coconut oil)	0.5/ml	trace Ca, Na, K
MCT Oil® (Nestle)	7.7 kcal/ml	MCT (modified coconut and/or palm kernel oil)	0.93/ml	
Microlipid® (Nestle)	4.5 kcal/ml	safflower oil	0.5/ml	62 mOsm/kg
Prolact CR® (Prolacta Bioscience)	-2.5 kcal/ml	human milk	0.25/ml	<0.1gm/ml protein and carbohydrate

Carbohydrate Supplements				
PRODUCT	Kcal	CHO Source	Gm	Notes
Polycal™ (Nutricia)	384 kcal/100 gm (1 scoop=5 gm)	maltodextrin	96/100 gm	trace Na mOsm/kg: -1/gm
SolCarb® (Medica Nutrition)	376 kcal/100 gm	maltodextrin	94.5/100 gm	25 mg Ca, 70 mg Na, trace phos/100 gm 1.4 mOsm/kg/gm

Example Commercially Available Electrolyte Products						
PRODUCT: RTU or prepared as directed	Kcal/L	Carbohydrate	CHO gm/L	Na mEq/L	K mEq/L	mOsm/ kg
PediaLyte®* (Abbott) 1 Liter unflavored, various flavors, Power Packs (8.5 g, 17 g) mixed as directed, and freezer pops various flavors	100	dextrose or anhydrous dextrose (flavored has sucralose, acesulfame potassium)	25	45	20	250- 270
PediaLyte AdvancedCare™** (Abbott) 1 Liter various flavors	70	dextrose (flavored has sucralose, acesulfame potassium), GOS	16	45	20	225-240
PediaVance® (Nature's One) grape, apple concentrated liquid sticks	98	organic: white grape juice concentrate, dextrose	25	44	20	270
Enfamil® Enfalyte® (Mead Johnson) 2 and 6 oz bottles	126	corn syrup solids	30	50	25	160
Drip Drop® ORS (DripDrop) berry and lemon powder 10 and 21 gm packets (makes 8 vs.16.9 oz)	135	sucrose, fructose, dextrose (also contains sucralose)	33	60	20	235
Ceralyte®50 (Cera Products) mixed berry powder	160	rice syrup solids (also contains stevia)	40	50	20	200
Ceralyte®70 (Cera Products) lemon, natural, chicken broth powder; citrus RTU 8.45 oz	160	rice syrup solids (lemon also contains stevia)	40	70	20	220
Ceralyte®90 (Cera Products) natural flavor powder	160	rice syrup solids	40	90	20	260
*Example similar product: Parent's Choice™ Pediatric Electrolyte Drink **Example similar product: Parent's Choice™ Advantage™ Care (Walmart)						

Probiotics are in bold.

Products may contain additional fats, but are not noted if used as an emulsifier.

Some products may contain trace soy protein, such as some of the Mead Johnson partially hydrolyzed products, as soy is used to make the enzymes that break the milk protein down.

While the FDA exempts highly refined soy oil from being labeled as an allergen, organic soybean oil may contain trace protein (expeller-pressed).

GOS: galactooligosaccharides

FOS: fructooligosaccharides

PDX: polydextrose

RTF/RTU: ready to feed/ready to use

scFOS: short chain fructooligosaccharides

INFORMATIONAL SOURCES:

Abbott Nutrition Abbott Laboratories (800) 227-5767, www.abbottnutrition.com

Aptalis Pharma US, Inc. (800) 678-1605, <http://store.foundcare.com/aptalis>

Cera Products Inc. (888) 237-2598, <https://ceraproductsinc.com>

Drip Drop Inc. <https://dripdrop.com/pages/how-dripdrop-compares>

Duggan, Watkins, Koletzko, Walker. Nutrition in Pediatrics: basic science, clinical applications, 5th ed. volume 1. Connecticut: People's Medical Publishing House-USA; 2016. Chapter 29: Human Milk: Nutritional Properties FDA, <https://www.fda.gov/Food/GuidanceRegulation/GuidanceDocumentsRegulatoryInformation/Allergens/ucm106187.htm>

Mead Johnson Nutrition (812) 429-6399, <http://www.meadjohnson.com/pediatrics>

Medica Nutrition (877) 850-0985, <http://www.medica-nutrition.com/solcarb>

Nature's One, Inc. (888) 227-7122, <http://www.naturesone.com>

Nestle Health Science (800) 422-2752, <https://www.nestlehealthscience.us>

Nestle Infant Nutrition (800) 628-2229, <https://medical.gerber.com/products/formulas>

Nutricia North America (800) 365-7354, <http://www.nutricia-na.com/index.html>

Perrigo Nutritionals, LLC (434) 297-1070

ProLacta Bioscience Inc. (888) 776-5228, <http://www.prolacta.com>

The Hain Celestial Group, Inc. (800) 272-5095, <https://www.earthsbest.com>

The Honest Company (888) 862-8818, <https://www.honest.com/feeding>

USDA nutrient database, <https://ndb.nal.usda.gov/ndb>

Vitalfo USA, LLC (888) 848-2356, www.VitalfoUSA.com

Walmart Stores, Inc. <https://www.walmart.com/c/brand/parent-s-choice>