

VIII. Metabolic Formulas

Formulas for WIC participants with metabolic conditions are available according to physician prescription. All metabolic formulas must be prescribed by a licensed health care provider prior to issuance. According to WIC Federal Regulations (7 CFR, Part 246), monthly formula issuance amounts are based on participant age, feeding choice if participant is <12 months (partially breastfed or fully formula fed) and form of formula (powder, concentrate, ready to feed). Partially breastfed infants needing supplemental formula may receive a maximum of one can of powdered formula in the first 30 days of life, and will have monthly issuance tailored according to individual need throughout the rest of the first year. WIC maximum formula issuance amounts for all infant groups, feeding choices and forms of formula are included for each item listed.

All metabolic medical foods and formulas will be provided by MaineCare to those WIC participants enrolled in that program. If the infant or child is not enrolled in MaineCare, the Maine CDC WIC Nutrition Program will provide the formula in amounts not to exceed the federal maximum issuance per month. Prescriptions for these formulas must include:

- **specific product requested**
- **diagnosis, including ICD-9 code**
- **length of time the product is needed**
- **amount prescribed per day**

For information on availability of metabolic formulas not listed in this section, please contact the Maine CDC WIC Nutrition Program office at 1-800-437-9300.

Health care providers may use the ***Maine CDC WIC Nutrition Program Medical Documentation for WIC Medical Formula or Medical Food/MaineCare Prior Authorization Form for Formula*** form to obtain approval and prior authorization for MaineCare coverage. **This form must be sent to the local WIC office in order for MaineCare to approve coverage of the formula prescribed.**

Amino Acid Disorders

Metabolic Formulas—Homocystinuria

Product Name	Description	Packaging	Composition	Indications	Maximum Monthly WIC Issuance Amounts			
					Non-breastfed infants	0-3 months	4-5 months	6-11 months
HCY™ 1 (Mead Johnson Nutrition™)	Methionine-free diet powder. Added cystine Nutritionally incomplete. Gluten Free Lactose Free Galactose Free	Powder: 16 oz. cans, 6 cans/case (use unpacked scoops) Can yield: varies, according to mixing instructions (100 gm powder = 500 calories, 16.2 gm protein equivalent) NDC: 0087-510202	CHO: corn syrup solids, modified corn starch, and sucrose PRO: L-amino acids FAT: palm olein, soy, coconut and high-oleic sunflower, M.Alpina and C.cohnii oils Vitamins, minerals 500 cal, 16.2 gm. pro/100 gm. powder; Osmolality = 350 mOsm/kg H ₂ O	Used in medical management of infants and toddlers with homocystinuria. Diet must be supplemented with methionine from other sources to ensure adequate growth.	Powder: 16 oz.	Dependent on Rx	Dependent on Rx	Dependent on Rx
					Partially breastfed infants			
					Powder: 16 oz.	Dependent on Rx	Dependent on Rx	Dependent on Rx
					Children			
Contact State WIC office for more information on maximum issuance for each individual patient.								
HCY™ 2 (Mead Johnson Nutrition™)	Methionine-free diet powder. Nutritionally incomplete. Gluten Free Lactose Free Galactose Free	Powder: 16 oz. cans, 6 cans/case Can yield: varies, according to mixing instructions (100 gm powder = 410 calories, 22 gm protein equivalent) NDC: pending	CHO: corn syrup solids, sucrose, and modified corn starch PRO: L-amino acids FAT: soy oil Vitamins, minerals 410 cal, 22 gm. pro/100 gm. powder	Used in medical management of children and adults with homocystinuria. Diet must be supplemented with methionine from other sources to ensure adequate growth.	Children and Women			
					Powder: 16 oz.	Dependent on Rx		
					Contact State WIC office for more information on maximum issuance for each individual patient.			

Metabolic Formulas—Homocystinuria									
Product Name	Description	Packaging	Composition	Indications	Maximum Monthly WIC Issuance Amounts				
Hominex®-1 (Abbott Nutrition)	Methionine-free medical food.	Powder: 14.1 oz. cans, 6 cans/case (use unpacked measures) Can yield: varies, according to mixing instructions (100 gm powder = 480 calories, 15 gm protein equivalent) NDC: 70074-0511-17	CHO: corn syrup solids PRO: L- amino acids FAT: high oleic safflower, coconut and soy oils Vitamins, minerals 480 cal., 15 g. protein/100 g. powder 20 cal./fl.oz. Osmolality = 375 mOsm/kg H ₂ O (20 cal/oz)	For infants and toddlers with vitamin B ₆ nonresponsive homocystinuria or hypermethionemia. Must be supplemented to meet protein requirements.	Non-breastfed infants	0-3 months	4-5 months	6-11 months	
					Powder: 14.1 oz.	Dependent on Rx	Dependent on Rx	Dependent on Rx	
					Partially breastfed infants	1-3 months	4-5 months	6-11 months	
					Powder: 14.1 oz.	Dependent on Rx	Dependent on Rx	Dependent on Rx	
					Children				
Powder: 14.1 oz.	Dependent on Rx								
Contact State WIC office for more information on maximum issuance for each individual patient.									
Hominex®-2 (Abbott Nutrition)	Methionine-free medical food.	Powder: 14.1 oz. cans, 6 cans/case (use unpacked measures) Can yield: varies, according to mixing instructions (100 gm powder = 410 calories, 30 gm protein equivalent) NDC: 70074-0511-19	CHO: corn syrup solids PRO: L- amino acids FAT: high oleic safflower, coconut and soy oils Vitamins, minerals 410 cal., 30 g. protein/100 g. powder 30 cal./fl.oz. Osmolality = 1350 mOsm/kg H ₂ O (30 cal/oz)	For children and adults with vitamin B ₆ nonresponsive homocystinuria or hypermethionemia. Must be supplemented with protein to meet methionine requirements.	Children and Women				
					Powder: 14.1 oz.	Dependent on Rx			
					Contact State WIC office for more information on maximum issuance for each individual patient.				

Metabolic Formulas—Homocystinuria								
Product Name	Description	Packaging	Composition	Indications	Maximum Monthly WIC Issuance Amounts			
Milupa HOM 2 (Nutricia North America)	Nutritionally incomplete, methionine-free modular formula for children and adults, including pregnant women.	Powder: 17.6 oz (500 gram) can, 2 cans/case Can yield: varies, according to mixing instructions NDC: 81361-0935-70	CHO: sucrose PRO: L-amino acids FAT: none Vitamins, minerals 290 cal, 69 g. pro/100 gm powd Osmolality = 810 mOsm/kg H ₂ O (1:9 dilution)	For children with homocystinuria due to cystathionine β-synthase deficiency (Vitamin B ₆ non-responsive). Diets with HOM 2 must contain adequate amounts of energy, essential fatty acids and methionine to meet daily requirements.	Children			
					Powder: 500 gm.	Dependent on Rx Contact State WIC office for more information on maximum issuance for each individual patient.		
XMet Analog™ (Nutricia North America)	Methionine-free supplemental formula for infants. Nutritionally incomplete.	Powder: 14 oz. (400g) cans, 6 cans/case (use unpacked, level scoops) Can yield: 80 oz (when mixed to 21 cal/oz concentration) NDC: 49735-0183-27	CHO: corn syrup solids, galactose PRO: L-amino acids FAT: high oleic safflower, coconut and soy oils Vitamins, minerals 21 cal/oz. 100 gm. powder = 475 cal, 13 gm protein Osmolality = 377 mOsm/kg H ₂ O	For infants with proven vitamin B ₆ non-responsive homocystinuria or hypermethioninemia. Must be consumed with whole protein source to meet complete protein requirements and ensure normal growth	Non-breastfed infants			
					Powder: 14 oz.	0-3 months 10 cans	4-5 months 12 cans	6-11 months 8 cans
					Partially breastfed infants			
					Powder: 14 oz.	1-3 months 5 cans	4-5 months 6 cans	6-11 months 4 cans

Metabolic Formulas—Homocystinuria					
Product Name	Description	Packaging	Composition	Indications	Maximum Monthly WIC Issuance Amounts
XMet Maxamaid® (Nutricia North America)	Methionine-free powdered medical food. Nutritionally incomplete.	Powder: 16 oz. can (454g), 6 cans/case (orange) Can yield: varies according to mixing instructions NDC: 49735-017787	CHO: sucrose, corn syrup solids, maltodextrin PRO: L-amino acids FAT: none Vitamins, minerals 100 gm. powder = 324 cal, 25 gm protein Osmolality = 680 mOsm/kg H ₂ O (1:7 dilution) 940 mOsm/kg H ₂ O (1:5 dilution)	For children 1-8 years of age with proven vitamin B ₆ non-responsive homocystinuria or hypermethioninemia. Must be supplemented with natural protein, fluid and other nutrients to meet protein and general nutrient requirements.	Children
					Powder: 16 oz.
Contact State WIC office for more information on maximum issuance for each individual patient.					
XMet Maxamum® (Nutricia North America)	Methionine-free powdered medical food. Nutritionally incomplete.	Powder: 16 oz. can (454g), 6 cans/case (orange) Can yield: varies according to mixing instructions NDC: 49735-017795	CHO: sucrose, corn syrup solids PRO: L-amino acids FAT: none Vitamins, minerals 100 gm. powder = 305 cal, 40 gm protein	For children >8 years of age and women (including maternal patients) with proven vitamin B ₆ non-responsive homocystinuria or hypermethioninemia. Must be supplemented with natural protein, fluid and other nutrients to meet protein and general nutrient requirements.	Women
					Powder: 16 oz.
Contact State WIC office for more information on maximum issuance for each individual patient.					

Metabolic Formulas—Phenylketonuria					Maximum Monthly WIC Issuance Amounts	
Product Name	Description	Packaging	Composition	Indications		
Lophlex (Nutricia North America)	Phenylalanine-free medical food for children and adults. Nutritionally incomplete.	Powder: 14.3 gm packets, 30 packets/case (Berry, Orange) Packet yield: 70 ml NDC: Berry: 49735-0121-69 Orange: 49735-0121-67	CHO: none PRO: L-amino acids FAT: none Vitamins, minerals 14.3 gm powder = 41 cal, 10 gm. protein Osmolality = 2460 mOsm/kg H ₂ O	For children >9 years and women, including maternal patients, with PKU.	Women	
					Powder: 14.3 gm	12 cases
Milupa PKU 2 (Nutricia North America)	Phenylalanine-free medical food for children. Nutritionally incomplete	Powder: 500 gram can, 2 cans/case (unflavored) Can yield: varies, depending on mixing instructions NDC: 81361-0934-60	CHO: sucrose PRO: L-amino acids FAT: none Vitamins, minerals 100 gm powder = 293 cal, 67 gm protein Osmolality = 790 mOsm/kg H ₂ O (1:9 dilution)	For children over the age of 12 months with phenylketonuria (PKU) or hyperphenylalaninemia	Children	
					Powder: 500 gm	Dependent on Rx Contact State WIC office for more information on maximum issuance for each individual patient.

Metabolic Formulas—Phenylketonuria								
Product Name	Description	Packaging	Composition	Indications	Maximum Monthly WIC Issuance Amounts			
Periflex Advance (Nutricia North America)	Phenylalanine-free powdered medical food.	Powder: 16 oz. (454 gram) cans, 6 cans/case (unflavored, orange, chocolate) Can yield: varies, depending on mixing instructions NDC: Unflavored: 49735-018305 Orange: 49735-018307 Chocolate: 49735-018306	CHO: corn syrup solids, sucrose, guar and xantham gums (flavored) PRO: L-amino acids FAT: high oleic safflower, canola, fractionated coconut oils Vitamins, minerals 385 calories (unflavored) 369 calories (flavored) 35 gm. protein/100 gm. powder Osmolality = 830-890 mOsm/kg H ₂ O (1:5 dilution), 1060-1100 mOsm/kg H ₂ O (1:4 dilution)	For dietary management of PKU in children >8 years and adults, including pregnant women.	Women			
					Powder: 16 oz.	Dependent on Rx Contact State WIC office for more information on maximum issuance for each individual patient.		
Periflex Infant (Nutricia North America)	Phenylalanine-free formula. Nutritionally incomplete.	Powder: 14 oz. can (400g), 6 cans/case (unflavored) (use unpacked level scoops) Can yield = 84 oz (standard dilution) NDC: 49735-0118-80	CHO: corn syrup solids PRO: L-amino acids FAT: high oleic sunflower, coconut, soy, M. alpina and C. cohnii oils Vitamins, minerals 21 cal./fl.oz. 100 gm. powder = 421 cal, 13 gm protein Osmolality = 375 mOsm/ kg H ₂ O (at 0.67 kcal/ml)	For infants with phenylketonuria (PKU). Additional protein must be given as standard infant formula or breast milk to provide phenylalanine and other nutrient requirements of the infant.	Non-breastfed infants			
					Powder: 14 oz.	0-3 months	4-5 months	6-11 months
					10 cans 11 cans 8 cans			
					Partially breastfed infants			
					Powder: 14 oz.			
					1-3 months			
					4-5 months			
					6-11 months			
					5 cans 6 cans 4 cans			

Metabolic Formulas—Phenylketonuria									
Product Name	Description	Packaging	Composition	Indications	Maximum Monthly WIC Issuance Amounts				
Periflex Junior (Nutricia North America)	Phenylalanine-free medical food.	Powder: 16 oz. cans, 6 cans /case (unflavored, orange, chocolate) Can yield: varies, depending on mixing instructions NDC: Unflavored: 49735-018308 Orange: 49735-018310 Chocolate: 49735-018309	CHO: corn syrup solids, maltodextrin; sugar (orange and chocolate flavors), guar and xantham gums (chocolate) PRO: L- amino acids FAT: canola, high oleic safflower, fractionated coconut oils Vitamins, minerals 394 (unflavored) or 374 (flavored) calories, 25 gm. protein/100 gm. powder Osmolality for 1:5 dilution = 720-770 mOsm/kg H ₂ O Osmolality for 1:4 dilution = 910-980 mOsm/kg H ₂ O	For toddlers and young children with proven phenylketonuria (PKU).	<table border="1"> <thead> <tr> <th colspan="2">Children</th> </tr> </thead> <tbody> <tr> <td>Powder: 16 oz.</td> <td>Dependent on Rx</td> </tr> </tbody> </table>	Children		Powder: 16 oz.	Dependent on Rx
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Contact State WIC office for more information on maximum issuance for each individual patient.									

Metabolic Formulas—Phenylketonuria								
Product Name	Description	Packaging	Composition	Indications	Maximum Monthly WIC Issuance Amounts			
Phenex™-1 (Abbott Nutrition)	Phenylalanine-free medical food. Halal	Powder: 14.1 oz. cans, 6 cans per case (use unpacked measures) Can yield: varies, according to mixing instructions NDC: 70074-0511-21	CHO: corn syrup solids PRO: L- amino acids FAT: high oleic safflower, coconut and soy oils Vitamins, minerals 480 calories, 15 gm. protein/100 gm. powder 20 cal./fl.oz. Osmolality: 370 mOsm/kg H ₂ O (mixed to 20 cal/oz.)	For infants and toddlers with phenylketonuria (PKU) or hyperphenylalanemia. Diet must be supplemented with protein and fluid in prescribed amounts to completely meet phenylalanine and water requirements.	Non-breastfed infants	0-3 months	4-5 months	6-11 months
					Powder: 14.1 oz.	Dependent on Rx	Dependent on Rx	Dependent on Rx
					Partially breastfed infants			
					Powder: 14.1 oz.	Dependent on Rx	Dependent on Rx	Dependent on Rx
					Children			
		Powder: 14.1 oz.	Dependent on Rx					
Contact State WIC office for more information on maximum issuance for each individual patient.								
Phenex™-2 (Abbott Nutrition)	Phenylalanine-free medical food for nutrition support.	Powder: 14.1 oz. cans, 6 cans per case (vanilla, unflavored) (use unpacked measures) Can yield: varies, according to mixing instructions NDC: Unflavored: 70074-0511-23 Vanilla: 70074-0557-56	CHO: corn syrup solids PRO: L- amino acids FAT: high oleic safflower, coconut and soy oils Vitamins, minerals 410 calories, 30 gm. protein/100 gm. powder 27 cal./oz. Osmolality: 1 215 mOsm/kg H ₂ O (unflavored) 1290 mOsm/kg H ₂ O (vanilla) (mixed to 30 calories/oz.)	For children and adults with phenylketonuria (PKU) or hyperphenylalanemia. Diet must be supplemented with protein in prescribed amounts to completely meet phenylalanine requirements.	Children and Women			
					Powder: 14.1 oz.	Dependent on Rx		
					Contact State WIC office for more information on maximum issuance for each individual patient.			

Metabolic Formulas—Phenylketonuria									
Product Name	Description	Packaging	Composition	Indications	Maximum Monthly WIC Issuance Amounts				
PhenylAde® Amino Acid Blend (Applied Nutrition Corp.)	Phenylalanine-free medical food. Nutritionally incomplete.	Powder: 454 gm (16 oz.) cans, 4 cans/case (unflavored) Can yield: varies, according to mixing instructions NDC: 00847-0950-00	CHO: none PRO: L-amino acids FAT: none 12.4 gm scoop = 40 cal., 10 gm. protein	Protein supplement in management of PKU for children and adults (including pregnant women). Not for use in infants <12 months.	<table border="1"> <thead> <tr> <th colspan="2">Children and Women</th> </tr> </thead> <tbody> <tr> <td>Powder: 16 oz.</td> <td>Dependent on Rx</td> </tr> </tbody> </table> <p>Contact State WIC office for more information on maximum issuance for each individual patient.</p>	Children and Women		Powder: 16 oz.	Dependent on Rx
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PhenylAde® 40 Drink Mix (Applied Nutrition, Corp.)	Phenylalanine-free medical food. Nutritionally incomplete.	Powder: 25 gm. Pouches, 20 pouches/case (unflavored, citrus) Pouch yield: varies, according to mixing instructions NDC: Unflavored: 00847-0954-04 Citrus: 00847-0954-14	CHO: corn syrup solids, sugar, modified food starch, maltodextrin PRO: L-amino acids FAT: canola, safflower, coconut, soybean oils Vitamins Minerals Each 25 gm. Pouch = 10 gm. protein equivalent, 83 calories	For management of PKU for children over 1 year of age and adults, including pregnant women.	<table border="1"> <thead> <tr> <th colspan="2">Children and Women</th> </tr> </thead> <tbody> <tr> <td>Powder: 25 gm.</td> <td>Dependent on Rx</td> </tr> </tbody> </table> <p>Contact State WIC office for more information on maximum issuance for each individual patient.</p>	Children and Women		Powder: 25 gm.	Dependent on Rx
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Metabolic Formulas—Phenylketonuria					
Product Name	Description	Packaging	Composition	Indications	Maximum Monthly WIC Issuance Amounts
PhenylAde® Essential Drink Mixes (Applied Nutrition, Corp.)	Phenylalanine-free medical food with soluble fiber, omega-3 and omega-6 fatty acids. Nutritionally incomplete.	Powder: 454 gm (16 oz.) cans, 4 cans/case (chocolate, vanilla, orange crème, strawberry) Can yield: varies, according to mixing instructions	CHO: sucrose, modified food starch, corn syrup solids, modified corn starch, dextrin PRO: L-amino acids FAT: safflower, canola, soybean, coconut and flaxseed oils	Management of PKU for children over 1 year of age and adults, including pregnant women.	Children and Women
					Powder: 16 oz.
PhenylAde® MTE Amino Acid Blend (Applied Nutrition, Corp.)	Phenylalanine-free medical food with added minerals and trace elements. Nutritionally incomplete.	Powder: 454 gm (16 oz.) cans, 4 cans/case (unflavored) Can yield: varies, according to mixing instructions	CHO: none PRO: L-amino acids FAT: none	Protein supplement in management of PKU for children and adults (including pregnant women). Not for use in infants <12 months.	Children and Women
					Powder: 16 oz.
		NDC: Chocolate: 00847- 0950-12 Vanilla: 00847- 0950-22 Orange Crème: 00847-0950-32 Strawberry: 00847-0950-42	Vitamins Minerals 40 gm scoop = 157 calories, 10 gm. protein, 1.5 gram fiber		
		NDC: 00847-0959- 60	Minerals 12.8 gm scoop = 40 cal., 10 gm. protein		

Metabolic Formulas—Phenylketonuria																	
Product Name	Description	Packaging	Composition	Indications	Maximum Monthly WIC Issuance Amounts												
Phenyl-Free® 1 (Mead Johnson Nutrition™)	Phenylalanine-free medical food with iron. Nutritionally incomplete Lactose Free Gluten Free Galactose Free	Powder: 16 oz. (1 lb.) cans, 6 cans/case (use unpacked scoops) Can yield: varies, according to mixing instructions NDC: 0087-510172	CHO: corn syrup solids, modified corn starch, sucrose, maltodextrin PRO: L- amino acids FAT: palm olein, soy, coconut and high oleic sunflower, M.alpina, and C.cohnii oils Vitamins, minerals 100 gm powder =16.2 gm protein equivalent, 500 cal Osmolality = 350 mOsm/kg H ₂ O	For dietary management of infants and toddlers with PKU. Diet supplemented with phenylalanine from other foods is necessary to support growth	<table border="1"> <thead> <tr> <th colspan="4">Non-breastfed infants</th> </tr> <tr> <th>0-3 months</th> <th>4-5 months</th> <th colspan="2">6-11 months</th> </tr> </thead> <tbody> <tr> <td>Powder: 16 oz.</td> <td>Dependent on Rx</td> <td>Dependent on Rx</td> <td>Dependent on Rx</td> </tr> </tbody> </table>	Non-breastfed infants				0-3 months	4-5 months	6-11 months		Powder: 16 oz.	Dependent on Rx	Dependent on Rx	Dependent on Rx
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Children																	
Powder: 16 oz.	Dependent on Rx																
Contact State WIC office for more information on maximum issuance for each individual patient.																	
Phenyl-Free® 2 (Mead Johnson Nutrition™)	Phenylalanine-free medical food with iron. Nutritionally incomplete Lactose Free Gluten Free Galactose Free	Powder: 16 oz. cans, 6 cans/case (vanilla) (use unpacked scoops) Can yield: varies, according to mixing instructions NDC:	CHO: sucrose, corn syrup solids, modified corn starch PRO: L-amino acids FAT: soy oil Vitamins, minerals 100 gm powder = 22 gm protein equivalent, 410 cal.	Medical management of PKU in children and adults Diet supplemented with phenylalanine from other foods is necessary to support growth and tissue maintenance	<table border="1"> <thead> <tr> <th colspan="2">Children and Women</th> </tr> </thead> <tbody> <tr> <td>Powder: 16 oz.</td> <td>Dependent on Rx</td> </tr> </tbody> </table>	Children and Women		Powder: 16 oz.	Dependent on Rx								
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Metabolic Formulas—Phenylketonuria					
Product Name	Description	Packaging	Composition	Indications	Maximum Monthly WIC Issuance Amounts
Phenyl-Free® 2 HP (Mead Johnson Nutrition™)	High protein, phenylalanine-free medical food with iron. Nutritionally incomplete Lactose Free Gluten Free Galactose Free	Powder: 16 oz. cans, 6 cans/case (vanilla) (use unpacked scoops) Can yield: varies, according to mixing instructions NDC:	CHO: sugar, corn syrup solids, modified corn starch, carbs from amino acid premix PRO: L-amino acids FAT: soy oil Vitamins, minerals 100 gm powder = 40 gm. protein equivalent, 390 cal	Medical management of PKU in children and adults, including pregnant women. Helpful for patients needing fewer calories. Diet supplemented with phenylalanine from other foods is necessary to support growth and tissue maintenance	Children and Women
					Powder: 16 oz.
Phlexy-10® Drink Mix (Nutricia North America)	Phenylalanine-free medical food.	Powder: 20 gm packets, 30 packets/case (black currant/apple, tropical surprise) Packet yield: 3.5 oz NDC: Black currant/apple: 49735-0114-67 Tropical surprise: 49735-0119-10	CHO: sucrose, corn syrup solids PRO: L-amino acids FAT: none 19.7 cal/fl. oz 20 gm packet = 8.33 gm protein, 69 calories Osmolality = 1172 mOsm/kg H ₂ O (black current); 1140 mOsm/kg H ₂ O (tropical surprise) when mixed to 1:5 dilution	For dietary management of children >12 months and adults with PKU, including pregnant women.	Children and Women
					Powder: 20 gm.

Metabolic Formulas—Phenylketonuria									
Product Name	Description	Packaging	Composition	Indications	Maximum Monthly WIC Issuance Amounts				
XPhe Maxamaid® (Nutricia North America)	Phenylalanine-free medical food. Nutritionally incomplete	Powder: 16 oz. can (454g), 6 cans/case (unflavored, orange, strawberry) Can yield: varies, according to mixing instructions NDC: Unflavored: 49735-017792 Orange: 49735-017793 Strawberry: 49735-017794	CHO: corn syrup solids, sucrose, maltodextrin PRO: L-amino acids FAT: none Vitamins, minerals 100 gm. powder = 324 cal, 25 gm protein	For children ages 1 - 8 with proven phenylketonuria (PKU). Must be supplemented with natural protein, fluid and other nutrients to meet protein and general nutrient requirements.	<table border="1"> <thead> <tr> <th colspan="2">Children</th> </tr> </thead> <tbody> <tr> <td>Powder: 16 oz.</td> <td>Dependent on Rx</td> </tr> </tbody> </table>	Children		Powder: 16 oz.	Dependent on Rx
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XPhe Maxamum® (Nutricia North America)	Phenylalanine-free medical food. Nutritionally incomplete	Powder: 16 oz (454g) can, 6 cans/case (unflavored, orange) Can yield: varies, according to mixing instructions NDC: Unflavored: 49735-018323 Orange: 49735-018324	CHO: sucrose PRO: L-amino acids FAT: none Vitamins, minerals 100 gm powder = 305 cal, 40 gm protein	For children over the age of 8 and adults, including maternal patients, with proven PKU. Must be supplemented with natural protein, fluid and other nutrients to meet protein and general nutrient requirements.	<table border="1"> <thead> <tr> <th colspan="2">Children and Women</th> </tr> </thead> <tbody> <tr> <td>Powder: 16 oz.</td> <td>Dependent on Rx</td> </tr> </tbody> </table>	Children and Women		Powder: 16 oz.	Dependent on Rx
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Metabolic Formulas—Tyrosinemia								
Product Name	Description	Packaging	Composition	Indications	Maximum Monthly WIC Issuance Amounts			
Tyrex®-1 (Abbott Nutrition)	Medical food that is phenylalanine and tyrosine-free. Nutritionally incomplete	Powder: 14.1oz. cans, 6 cans/case (use packed measures) Can yield: varies, according to mixing instructions NDC: 70074-0511-29	CHO: corn syrup solids PRO: L-amino acids FAT: high oleic safflower, coconut and soy oils Vitamins, minerals 100 gm. powder = 480 cal, 15 gm protein 20 cal./fl.oz. Osmolality = 380 mOsm/kg H ₂ O (mixed to 20cal/oz)	For infants and toddlers with tyrosinemia type I, II or III. Must be supplemented with protein and fluid in prescribed amounts to completely meet phenylalanine, tyrosine, and water requirements.	Non-breastfed infants	0-3 months	4-5 months	6-11 months
					Powder: 14.1 oz.	Dependent on Rx	Dependent on Rx	Dependent on Rx
					Partially breastfed infants			
					Powder: 14.1 oz.	Dependent on Rx	Dependent on Rx	Dependent on Rx
					Children			
					Powder: 14.1 oz.	Dependent on Rx		
Contact State WIC office for more information on maximum issuance for each individual patient.								
Tyrex®-2 (Abbott Nutrition)	Medical food that is phenylalanine and tyrosine-free. Nutritionally incomplete	Powder: 14.1 oz. cans, 6 cans/case (use packed measures) Can yield: varies, according to mixing instructions NDC: 70074-0511-27	CHO: corn syrup solids PRO: L-amino acids FAT: high oleic safflower, coconut and soy oils Vitamins, minerals 100 gm. powder = 410 cal., 30 gm. protein 30 cal./fl. oz. Osmolality = 1330 mOsm/kg H ₂ O (mixed to 30cal/oz)	For children and adults with tyrosinemia type I, II or III. Must be supplemented with protein and fluid in prescribed amounts to completely meet phenylalanine, tyrosine, and water requirements.	Children and Women			
					Powder: 14.1 oz.	Dependent on Rx		
					Contact State WIC office for more information on maximum issuance for each individual patient.			

Metabolic Formulas—Tyrosinemia																	
Product Name	Description	Packaging	Composition	Indications	Maximum Monthly WIC Issuance Amounts												
TYROS™1 (Mead Johnson Nutrition™)	Powdered medical food that is phenylalanine and tyrosine-free. Nutritionally incomplete Lactose Free Gluten Free Galactose Free	Powder: 16 oz. cans, 6 cans/case (use unpacked level scoops) Can yield: varies, according to mixing instructions NDC: 0087-510191	CHO: corn syrup solids, sucrose, modified corn starch, PRO: L-amino acids FAT: palm olein, soy, coconut, high oleic sunflower, M.alpina and C.cohnii oils Vitamins, minerals 100 gm. powder = 500 cal., 16.7 gm protein Osmolality = 360 mOsm/kg H ₂ O	For infants and toddlers with tyrosinemia type I or II. Must be supplemented with sufficient phenylalanine and tyrosine to support growth, using other foods with these amino acids as required.	<table border="1"> <thead> <tr> <th colspan="4">Non-breastfed infants</th> </tr> <tr> <th>0-3 months</th> <th>4-5 months</th> <th colspan="2">6-11 months</th> </tr> </thead> <tbody> <tr> <td>Powder: 16 oz.</td> <td>Dependent on Rx</td> <td>Dependent on Rx</td> <td>Dependent on Rx</td> </tr> </tbody> </table>	Non-breastfed infants				0-3 months	4-5 months	6-11 months		Powder: 16 oz.	Dependent on Rx	Dependent on Rx	Dependent on Rx
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Powder: 16 oz.	Dependent on Rx																
Contact State WIC office for more information on maximum issuance for each individual patient.																	
TYROS™2 (Mead Johnson Nutrition™)	Phenylalanine and tyrosine-free powdered medical food. Nutritionally incomplete. Lactose Free Gluten Free Galactose Free	Powder: 16 oz. cans, 6 cans/case (use packed level scoops) Can yield: varies, according to mixing instructions NDC:	CHO: corn syrup solids, sucrose, modified corn starch PRO: L-amino acids FAT: soy oil Vitamins, minerals 100 gm. powder = 410 cal., 22 gm. protein	For dietary management of children and adults with Tyrosinemia. Must be supplemented with sufficient phenylalanine and tyrosine to support growth, using other foods with these amino acids as required.	<table border="1"> <thead> <tr> <th colspan="2">Children and Women</th> </tr> </thead> <tbody> <tr> <td>Powder: 16 oz.</td> <td>Dependent on Rx</td> </tr> </tbody> </table>	Children and Women		Powder: 16 oz.	Dependent on Rx								
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Metabolic Formulas—Tyrosinemia																	
Product Name	Description	Packaging	Composition	Indications	Maximum Monthly WIC Issuance Amounts												
XPhe, XTyr Analog™ (Nutricia North America)	Phenylalanine and tyrosine-free formula. Nutritionally incomplete	Powder: 14 oz. (400g) cans, 6 cans/case (unflavored) (use unpacked level scoops) Can yield: varies, according to mixing instructions NDC: 49735-018301	CHO: corn syrup solids, galactose PRO: L-amino acids FAT: high oleic safflower, coconut, soy oils Vitamins, minerals 21 cal/fl. oz. 100 gm powder = 475 cal., 13 gm protein Osmolality = 377 mOsm/ kg H ₂ O (at 15% w/v)	Management of Tyrosinemia Type I and II in infants with normal plasma methionine levels. Must be consumed with whole protein source to meet complete protein requirements and ensure normal growth.	<table border="1"> <thead> <tr> <th colspan="4">Non-breastfed infants</th> </tr> <tr> <th>0-3 months</th> <th>4-5 months</th> <th colspan="2">6-11 months</th> </tr> </thead> <tbody> <tr> <td>Powder: 14 oz.</td> <td>Dependent on Rx</td> <td>Dependent on Rx</td> <td>Dependent on Rx</td> </tr> </tbody> </table>	Non-breastfed infants				0-3 months	4-5 months	6-11 months		Powder: 14 oz.	Dependent on Rx	Dependent on Rx	Dependent on Rx
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Contact State WIC office for more information on maximum issuance for each individual patient.																	
XPhe, XTyr Maxamaid® (Nutricia North America)	Phenylalanine and tyrosine-free medical food for children. Nutritionally incomplete.	Powder: 16 oz (454g) can, 6 cans/case (orange) Can yield: varies, according to mixing instructions NDC: 49735-017786	CHO: sucrose, corn syrup solids, maltodextrin PRO: L-amino acids FAT: none Vitamins, minerals 100 gm powder = 324 cal, 25 gm protein Osmolality = 680 mOsm/kg H ₂ O (1:7 dilution); 940 mOsm/kg H ₂ O (1:5 dilution)	For children ages 1-8 with proven Tyrosinemia Type I and II. Must be supplemented with natural protein, fluid and other nutrients to meet protein and general nutrient requirements.	<table border="1"> <thead> <tr> <th colspan="2">Children</th> </tr> </thead> <tbody> <tr> <td>Powder: 16 oz.</td> <td>Dependent on Rx</td> </tr> </tbody> </table>	Children		Powder: 16 oz.	Dependent on Rx								
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Metabolic Formulas—Tyrosinemia								
Product Name	Description	Packaging	Composition	Indications	Maximum Monthly WIC Issuance Amounts			
XPTM Analog™ (Nutricia North America)	Phenylalanine, tyrosine and methionine-free supplemental formula for infants. Nutritionally incomplete.	Powder: 14 oz. cans, 6 cans/case (unflavored) (use unpacked level scoops) Can yield: varies, according to mixing instructions NDC: 49735-018843	CHO: corn syrup solids, galactose PRO: L-amino acids FAT: high oleic safflower, coconut, soy oils Vitamins, minerals 100 gm powder = 475 cal., 13 gm protein Osmolality = 377 mOsm/ kg H ₂ O (at 15% w/v)	For infants with proven Tyrosinemia Type I, when plasma methionine levels are above normal. Must be consumed with whole protein source to meet complete protein requirements and ensure normal growth.	Non-breastfed infants	0-3 months	4-5 months	6-11 months
					Powder: 14 oz.	Dependent on Rx	Dependent on Rx	Dependent on Rx
					Partially breastfed infants	1-3 months	4-5 months	6-11 months
					Powder: 14 oz.	Dependent on Rx	Dependent on Rx	Dependent on Rx
Contact State WIC office for more information on maximum issuance for each individual patient.								

Carbohydrate Disorders

Metabolic Formulas—Galactosemia

Product Name	Description	Packaging	Composition	Indications	Maximum Monthly WIC Issuance Amounts				
					Non-breastfed infants	0-3 months	4-5 months	6-11 months	
Enfamil® ProSobee® (Mead Johnson Nutrition™)	Soy based iron-fortified formula for routine feeding of infants intolerant to milk protein or lactose. Gluten Free Lactose Free Galactose Free Sucrose free Kosher	Concentrated liquid: 13 fl.oz. cans, 12 cans/case NDC: 0087-119541 Ready to Feed liquid: 32 fl.oz. cans, 6 cans/case NDC: 0087-030974 Powder: 12.9 oz. cans, 6 cans/case (use unpacked scoops); Can yield: 92 fl. oz. (standard dilution) NDC: 0087-121441	CHO: corn syrup solids PRO: soy protein isolate FAT: palm olein, soy, coconut, high oleic sunflower, M. alpina and C. cohnii oils Vitamins, minerals 20 cal./fl.oz Osmolality= 170 mOsm/Kg H ₂ O (ready to use and concentrate); 180 mOsm/Kg H ₂ O (powder)	IgE-associated mediated allergy to cow's milk protein; management of lactose intolerance (hereditary or transient), galactosemia, gluten sensitivity; feeding problems associated with milk sensitivity.	Non-breastfed infants				
					Powder: 12.9 oz.	9 cans	10 cans	7 cans	
					Concentrate	31 cans	34 cans	24 cans	
					RTF (32 oz.)	26 cans	28 cans	20 cans	
					Partially breastfed infants				
						1-3 months	4-5 months	6-11 months	
					Powder: 12.9 oz.	4 cans	5 cans	4 cans	
					Concentrate	14 cans	17 cans	12 cans	
					RTF (32 oz.)	12 cans	14 cans	10 cans	
8th Continent Fortified Soymilk (Stremick's Heritage Foods)	Fortified soy beverage provided as milk replacement for children and women who are intolerant of milk protein or who require complete removal of lactose from diet. Lactose Free Gluten Free Vegan Kosher	Ready to drink beverage: 64 ounce cartons	CHO: sugar, xanthan gum PRO: soy protein FAT: soybean oil Vitamins, minerals 10 cal./fl. oz., 1 g protein/ fl oz	For dietary management of children or women with galactosemia or milk protein allergy.	Children and Postpartum Women				
					Ready to drink: 64 oz.	16 quarts (16 oz/day)			
					Pregnant Women				
					Ready to drink: 64 oz.	22 quarts (22.7 oz/day)			
					Exclusively Breastfeeding Women				
Ready to drink: 64 oz.	24 quarts (24.8 oz/day)								

Metabolic Formulas—Galactosemia						
Product Name	Description	Packaging	Composition	Indications	Maximum Monthly WIC Issuance Amounts	
Pacific Ultra Soy Plain Fortified Soy Beverage (Pacific Natural Foods)	Fortified soy beverage provided as milk replacement for children and women who are intolerant of milk protein or who require complete removal of lactose from diet. Lactose Free Gluten Free Kosher Parve Dairy Free Vegan	<u>Ready to drink beverage:</u> 32 ounce cartons	CHO: evaporated cane juice PRO: soy protein isolate FAT: soybean oil Vitamins, minerals 15 cal./fl. oz., 1.25g protein/ floz	For dietary management of children or women with galactosemia or milk protein allergy.	Children and Postpartum Women	
					Ready to drink: 32 oz.	16 quarts (16 oz/day)
					Pregnant Women	
					Ready to drink: 32 oz.	22 quarts (22.7 oz/day)
		Exclusively Breastfeeding Women		Ready to drink: 32 oz.	24 quarts (24.8 oz/day)	

Fatty Acid Disorders
Metabolic Formulas—Medium-chain Acyl-CoA Dehydrogenase (MCAD)
Patient care as directed by Maine Children’s Genetic and Metabolic Disorders Clinics
Metabolic Formulas—Short-Chain Acyl-CoA Dehydrogenase Deficiency (SCAD)
Patient care as directed by Maine Children’s Genetic and Metabolic Disorders Clinics
Metabolic Formulas—Long-Chain Acyl-CoA Dehydrogenase Deficiency (LCAD)
Patient care as directed by Maine Children’s Genetic and Metabolic Disorders Clinics
Metabolic Formulas—Long-Chain Hydroxyacyl-CoA Dehydrogenase Deficiency (LCHAD)
Patient care as directed by Maine Children’s Genetic and Metabolic Disorders Clinics
Metabolic Formulas—Very Long-Chain Acyl-CoA Dehydrogenase Deficiency (VLCAD)
Patient care as directed by Maine Children’s Genetic and Metabolic Disorders Clinics

Metabolic Formulas—Glutaric Acidemia Type 1					
Product Name	Description	Packaging	Composition	Indications	Maximum Monthly WIC Issuance Amounts
Glutarex®-2 (Abbott Nutrition)	Medical food that is lysine and tryptophan free.	Powder: 14.1 oz cans; 6 cans/case (use packed measure measures) Can yield: varies, according to mixing instructions NDC: 70074-0511-43	CHO: corn syrup solids PRO: L-amino acids FAT: high oleic safflower, coconut and soy oils Vitamins, minerals 100 gm powder = 410 cal., 30 gm protein 30 cal./fl.oz. Osmolality = 1360 mOsm/kg H ₂ O (30 cal/fl. oz. dilution)	For children and adults with glutaric academia Type I.	Children and Women
					Powder: 14.1 oz. Dependent on Rx Contact State WIC office for more information on maximum issuance for each individual patient.
XLys, XTrp Analog™ (Nutricia North America)	Lysine and tryptophan-free supplemental infant formula. Nutritionally incomplete.	Powder: 14 oz. cans, 6 cans/case (unflavored) (use unpacked level scoops) Can yield = 80 oz (when mixed to standard dilution) NDC: 49735-018328	CHO: corn syrup solids, galactose PRO: L-amino acids FAT: high oleic safflower, coconut, soy oils Vitamins, minerals 21 cal. /fl. oz. 100 gm. powder = 475 cal, 13 gm pro Osmolality = 377 mOsm/kg H ₂ O (at 15% w/v)	For infants with proven glutaric acidemia Type 1. Must be consumed with whole protein source to meet complete protein requirements and ensure normal growth	Non-breastfed infants
					Powder: 14 oz. 10 cans 12 cans 8 cans
					Partially breastfed infants
					1-3 months 4-5 months 6-11 months
					Powder: 14 oz. 5 cans 6 cans 4 cans
XLys, XTrp Maxamaid® (Nutricia North America)	Lysine and tryptophan-free medical food. Nutritionally incomplete.	Powder: 16 oz. can, 6 cans/case (orange) Can yield: varies, according to mixing instructions NDC: 49735-017780	CHO: sucrose, corn syrup solids, maltodextrin PRO: L-amino acids FAT: none Vitamins, minerals 100 gm powder = 324 cal, 25 gm protein	For children ages 1-8 with Glutaric Acidemia Type 1. Must be supplemented with natural protein, fluid and other nutrients to meet protein and general nutrient requirements.	Children
					Powder: 16 oz. Dependent on Rx Contact State WIC office for more information on maximum issuance for each individual patient.

Metabolic Formulas—Glutaric Acidemia Type 1					
Product Name	Description	Packaging	Composition	Indications	Maximum Monthly WIC Issuance Amounts
XLys, XTrp Maxamum® (Nutricia North America)	Lysine and tryptophan-free medical food. Nutritionally incomplete.	Powder: 16 oz. can, 6 cans/case (orange) Can yield: varies, according to mixing instructions NDC: 49735-017788	CHO: sucrose, corn syrup solids PRO: L-amino acids FAT: none Vitamins, minerals 100 gm. powder = 305 cal, 40 gm protein	For children over age 8 and women of childbearing years (including maternal patients) with proven Glutaric Acidemia Type I. Must be supplemented with natural protein, fluid and other nutrients to meet protein and general nutrient requirements.	Children and Women
					Powder: 16 oz.

Metabolic Formulas—Glutaric Acidemia Type 2
Patient care as directed by Maine Children's Genetic and Metabolic Disorders Clinics

Metabolic Formulas—Maple Syrup Urine Disease (MSUD)								
Product Name	Description	Packaging	Composition	Indications	Maximum Monthly WIC Issuance Amounts			
Acerflex® (Nutricia North America)	Specialized amino acid formula that is isoleucine, leucine and valine free. Use as an oral supplement. Not suitable as sole source of nutrition.	Powder: 16 oz. cans, 6 cans/case (pineapple) Can yield: varies, according to mixing instructions NDC: 49735-018842	CHO: corn syrup solids, sucrose PRO: L-amino acids FAT: canola, high oleic safflower and fractionated coconut oils Vitamins, minerals 100 gm. Powder = 395 cal., 20 gm. protein 1:5 dilution 23.7 cal./oz., 670 mOsm/kg H ₂ O 1:4 dilution 29.63 cal./oz., 830 mOsm/kg H ₂ O	For dietary management of children over the age of one with MSUD (Maple Syrup Urine Disease).	Children			
					Powder: 16 oz. Dependent on Rx Contact State WIC office for more information on maximum issuance for each individual patient.			
BCAD™ 1 (Mead Johnson Nutrition™)	Isoleucine, leucine, and valine-free formula for infants. Nutritionally incomplete. Lactose Free	Powder: 16 oz. can, 6 cans/case (use unpacked scoops) Can yield: varies, according to mixing instructions NDC: 0087-510184	CHO: corn syrup solids, sucrose, modified corn starch, PRO: L-amino acids FAT: palm olein, soy, coconut and high oleic sunflower, M.Alpina and C.Cohnii oils Vitamins, minerals 500 cal, 16.2 g protein/100 g. powder Osmolality = 330 mOsm/kg H ₂ O at 20cal/oz dilution	For infants and toddlers with MSUD (maple syrup urine disease).	Non-breastfed infants			
					Powder: 16 oz. Dependent on Rx	0-3 months	4-5 months	6-11 months
					Partially breastfed infants	1-3 months	4-5 months	6-11 months
					Powder: 16 oz. Dependent on Rx	Dependent on Rx	Dependent on Rx	Dependent on Rx
					Children			
					Powder: 16 oz. Dependent on Rx Contact State WIC office for more information on maximum issuance for each individual patient.			

Metabolic Formulas—Maple Syrup Urine Disease (MSUD)								
Product Name	Description	Packaging	Composition	Indications	Maximum Monthly WIC Issuance Amounts			
Ketonex®-1 (Abbott Nutrition)	A branched-chain amino acid-free (free of isoleucine, leucine and valine) medical food for infants and toddlers. Halal	Powder: 14.1 oz. cans, 6 cans/case (use packed measures) Can yield: varies, according to mixing instructions NDC: 70074-0511-13	CHO: corn syrup solids PRO: L-amino acids FAT: high oleic safflower, coconut and soy oils Vitamins, minerals 480 cal., 15 gm. pro/100 gm. powder 20 cal./fl.oz. Osmolality = 365 mOsm/kg H ₂ O (mixed to 20 cal./fl. oz.)	For infants and toddlers with MSUD or β-ketothialase deficiency. Must be supplemented with protein and fluid to completely meet isoleucine, leucine, valine and water requirements.	Non-breastfed infants			
					Powder: 14.1 oz.	0-3 months	4-5 months	6-11 months
						Dependent on Rx	Dependent on Rx	Dependent on Rx
					Partially breastfed infants			
					Powder: 14.1 oz.			
					1-3 months			
					4-5 months			
					6-11 months			
					Dependent on Rx			
					Children			
					Powder: 14.1 oz.			
					Dependent on Rx			
					Contact State WIC office for more information on maximum issuance for each individual patient.			
Ketonex®-2 (Abbott Nutrition)	A branched-chain amino acid-free (isoleucine, leucine and valine free) medical food for children and adults.	Powder: 14.1 oz. cans, 6 cans/case (use packed measures) Can yield: varies, according to mixing instructions NDC: 70074-0511-15	CHO: corn syrup solids PRO: L-amino acids FAT: high oleic safflower, coconut and soy oils Vitamins, minerals 410 cal, 30 gm. pro/100 gm. powder 30 cal./fl.oz Osmolality = 1315 mOsm/kg H ₂ O	For children and adults with MSUD or β-ketothialase deficiency. Must be supplemented with protein and fluid to completely meet isoleucine, leucine, valine and water requirements.	Children and Women			
					Powder: 14.1 oz.	Dependent on Rx		
						Contact State WIC office for more information on maximum issuance for each individual patient.		
Milupha MSUD 2 (Nutricia North America)	Nutritionally incomplete, isoleucine, leucine and valine-free modular formula for children Not suitable as sole source of nutrition.	Powder: 500 gram can, 2 cans/case (unflavored) Can yield: varies, according to mixing instructions NDC: 81361-0935-10	CHO: sucrose PRO: L-amino acids FAT: none Vitamins, minerals 300 cal., 54 gm. protein/100 g. powder Osmolality: 700 mOsm/kg (at 1:9 dilution)	For children, adults, and preg women for management of disorders of BCAA metabolism such as MSUD, hypervalinemia, α-methylacetoacetic aciduria, ketotic hypoglycemia and hyperprolinemia Type II.	Children			
					Powder: 500 gm.	Dependent on Rx		
						Contact State WIC office for more information on maximum issuance for each individual patient.		

Metabolic Formulas—Maple Syrup Urine Disease (MSUD)								
Product Name	Description	Packaging	Composition	Indications	Maximum Monthly WIC Issuance Amounts			
MSUD Analog™ (Nutricia North America)	Isoleucine, leucine and valine-free supplemental infant formula.	Powder: 14 oz. cans, 6 cans/case (use unpacked, level scoops or weigh on gram scale) Can yield = 80 oz./can (when mixed to standard dilution) NDC: 49735-018302	CHO: corn syrup solids, galactose PRO: L-amino acids FAT: high oleic safflower, coconut and soy oils Vitamins, minerals 21 cal./fl.oz. when mixed in ratio of 1 oz. water with 5 gm. (1 unpacked level scoop) powder 13 gm protein/100 gm. powder Osmolality = 377 mOsm/kg H₂O (at 15% w/v)	For infants with proven maple syrup urine disease (MSUD). Must be used along with a whole protein source (breast milk or standard infant formula) in quantities prescribed by MD to meet complete protein requirements and ensure normal growth.	Non-breastfed infants			
					0-3 months	4-5 months	6-11 months	
					Powder: 14 oz.	10 cans	12 cans	8 cans
					Partially breastfed infants	1-3 months	4-5 months	6-11 months
Powder: 14 oz.	5 cans	6 cans	4 cans					
MSUD Maxamaid® (Nutricia North America)	Isoleucine, leucine and valine-free supplemental formula for children 1-8 years of age.	Powder: 16 oz. cans, 6 cans/case (orange flavored); weigh on gram scale Can yield: varies, according to mixing instructions NDC: 49735-0177-81	CHO: sucrose, corn syrup solids, maltodextrin PRO: L-amino acids FAT: None Vitamins, minerals 324 cal., 25 gm protein/100 gm. powder Osmolality 1:7 dilution = 680 mOsm/kg H ₂ O; 1:5 dilution = 940 mOsm/kg H ₂ O	For children age 1-8 with proven Maple Syrup Urine Disease. Must be consumed with natural protein, fluid and other nutrients in quantities prescribed by MD to meet protein and general nutrient requirements.	Children			
					Powder: 16 oz.	Dependent on Rx Contact State WIC office for more information on maximum issuance for each individual patient.		

Metabolic Formulas—Maple Syrup Urine Disease (MSUD)									
Product Name	Description	Packaging	Composition	Indications	Maximum Monthly WIC Issuance Amounts				
MSUD Maxamum® (Nutricia North America)	Isoleucine, leucine and valine-free supplemental formula for children over 8 years of age and women in childbearing years.	Powder: 16 oz. can, 6 cans/case (orange flavored) Can yield: varies, according to mixing instructions NDC: 49735-0177-89	CHO: sucrose, corn syrup solids PRO: L-amino acids FAT: None Vitamins, minerals 305 cal., 40 gm. protein/100 gm. powder Osmolality	For children over 8 and women (including maternal patients) with MSUD. Must be consumed with natural protein, fluid and other nutrients to meet protein and general nutrient requirements.	<table border="1"> <thead> <tr> <th colspan="2">Women</th> </tr> </thead> <tbody> <tr> <td>Powder: 16 oz.</td> <td>Dependent on Rx</td> </tr> </tbody> </table>	Women		Powder: 16 oz.	Dependent on Rx
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Metabolic Formulas—3-Hydroxy-3 Methylglutaryl-CoA Lyase Deficiency
Patient care as directed by Maine Children’s Genetic and Metabolic Disorders Clinics
Metabolic Formulas—3-Methylcrotonyl-CoA Carboxylase Deficiency
Patient care as directed by Maine Children’s Genetic and Metabolic Disorders Clinics
Metabolic Formulas—Beta-Ketothiolase Deficiency
Patient care as directed by Maine Children’s Genetic and Metabolic Disorders Clinics

Metabolic Formulas—Isovaleric Acidemia																	
Product Name	Description	Packaging	Composition	Indications	Maximum Monthly WIC Issuance Amounts												
I-Valex®-1 (Abbott Nutrition)	A leucine-free medical food for infants and toddlers. Halal	Powder: 14.1 oz. cans, 6 cans/case (use unpacked measures) Can yield: varies, according to mixing instructions NDC: 70074-0511-37	CHO: corn syrup solids PRO: L-amino acids FAT: high oleic safflower, coconut and soy oils Vitamins, minerals 480 cal., 15 g. protein/100 g. powder 20 cal./fl. oz Osmolality = 375 mOsm/kg H ₂ O	For infants and toddlers with disorders of leucine catabolism. Preparation will vary as prescribed by the physician depending upon the specific needs of the patient.	<table border="1"> <thead> <tr> <th colspan="4">Non-breastfed infants</th> </tr> <tr> <th>0-3 months</th> <th>4-5 months</th> <th colspan="2">6-11 months</th> </tr> </thead> <tbody> <tr> <td>Powder: 14.1 oz.</td> <td>Dependent on Rx</td> <td>Dependent on Rx</td> <td>Dependent on Rx</td> </tr> </tbody> </table>	Non-breastfed infants				0-3 months	4-5 months	6-11 months		Powder: 14.1 oz.	Dependent on Rx	Dependent on Rx	Dependent on Rx
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Children																	
Powder: 14.1 oz.	Dependent on Rx																
Contact State WIC office for more information on maximum issuance for each individual patient.																	
I-Valex®-2 (Abbott Nutrition)	A leucine-free medical food for children and adults.	Powder: 14.1 oz. cans, 6 cans/case (use unpacked measures) Can yield: varies, according to mixing instructions NDC: 70074-0511-39	CHO: corn syrup solids PRO: L-amino acids FAT: high oleic safflower, coconut and soy oils Vitamins, minerals 410 cal., 30 g. protein/100 g. powder 27 cal./fl.oz. Osmolality = 1390 mOsm/kg H ₂ O	For children and adults with disorders of leucine catabolism. Preparation will vary as prescribed by the physician depending upon the specific needs of the patient.	<table border="1"> <thead> <tr> <th colspan="2">Children and Women</th> </tr> </thead> <tbody> <tr> <td>Powder: 14.1 oz.</td> <td>Dependent on Rx</td> </tr> </tbody> </table>	Children and Women		Powder: 14.1 oz.	Dependent on Rx								
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Metabolic Formulas—Isovaleric Acidemia								
Product Name	Description	Packaging	Composition	Indications	Maximum Monthly WIC Issuance Amounts			
LMD (Mead Johnson Nutrition™)	A leucine-free medical food for infants, children and adults. Gluten Free Lactose Free Galactose Free	Powder: 16 oz. cans, 6 cans/case (use unpacked measures) Can yield: varies, according to mixing instructions NDC: 0087-510196	CHO: corn syrup solids, sucrose, modified corn starch, maltodextrin PRO: L-amino acids FAT: palm olein, soy, coconut, and high oleic sunflower, M.Alpina, C.cohnii oils. Vitamins, minerals 500 cal., 16.2 g protein/100 gm. powder Osmolality = 370 mOsm/kg H ₂ O at 20 cal/fl oz dilution	For dietary management of infants, children, and adults with inborn errors of leucine metabolism including isovaleric academia. Care must be taken to provide enough leucine and phenylalanine from breast milk, infant formula, or other foods to support growth.	Non-breastfed infants	0-3 months	4-5 months	6-11 months
					Powder: 16 oz.	Dependent on Rx	Dependent on Rx	Dependent on Rx
					Partially breastfed infants	1-3 months	4-5 months	6-11 months
					Powder: 16 oz.	Dependent on Rx	Dependent on Rx	Dependent on Rx
					Children and Women			
Powder: 16 oz.	Dependent on Rx			Contact State WIC office for more information on maximum issuance for each individual patient.				
XLeu Analog™ (Nutricia North America)	Leucine-free, supplemental formula for infants. Nutritionally incomplete.	Powder: 14 oz. cans, 6 cans/case (use unpacked level scoops) Can yield = 80 oz./can (when mixed to standard dilution) NDC: 49735-0118-88	CHO: corn syrup solids, galactose PRO: L-amino acids FAT: high oleic safflower, coconut, soy oils Vitamins, minerals 21 cal./fl. oz. 100 gm. powder = 475 cal., 13 gm. protein Osmolality = 377 mOsm/kg H ₂ O (at 15% w/v)	For infants with isovaleric acidemia or other proven disorders of leucine metabolism. Must be consumed with whole protein source to meet complete protein requirements and ensure normal growth	Non-breastfed infants	0-3 months	4-5 months	6-11 months
					Powder: 14 oz.	10 cans	12 cans	8 cans
					Partially breastfed infants	1-3 months	4-5 months	6-11 months
					Powder: 14 oz.	5 cans	6 cans	4 cans

Metabolic Formulas—Isovaleric Acidemia					
Product Name	Description	Packaging	Composition	Indications	Maximum Monthly WIC Issuance Amounts
XLeu Maxamaid® (Nutricia North America)	Leucine-free supplemental formula for children. Nutritionally incomplete.	Powder: 16 oz. can, 6 cans/case (orange) Can yield: varies, according to mixing instructions NDC: 49735-0177-91	CHO: sucrose, corn syrup solids, maltodextrin PRO: L-amino acids FAT: none Vitamins, minerals 100 gm. powder = 324 cal, 25 gm. protein	For children ages 1-8 with isovaleric acidemia or other proven disorders of leucine metabolism. Must be supplemented with natural protein, fluid and other nutrients to meet protein and general nutrient requirements.	Children
					<table border="1" style="width: 100%;"> <tr> <td style="width: 20%;">Powder: 16 oz.</td> <td style="text-align: center;">Dependent on Rx</td> </tr> </table> Contact State WIC office for more information on maximum issuance for each individual patient.
Powder: 16 oz.	Dependent on Rx				
XLeu Maxamum® (Nutricia North America)	Leucine-free supplemental formula for children and women. Nutritionally incomplete.	Powder: 16 oz. can, 6 cans/case (orange) Can yield: varies, according to mixing instructions NDC: 49735-017790	CHO: sucrose, corn syrup solids PRO: L-amino acids FAT: none Vitamins, minerals 100 gm. powder = 305 cal, 40 gm. protein Osmolality = 800 mOsm/kg H ₂ O (1:7 dilution); 1130 mOsm/kg H ₂ O (1:5 dilution)	For children over age 8 and women of childbearing years (including maternal patients) with isovaleric acidemia or other proven disorders of leucine metabolism. Must be supplemented with natural protein, fluid and other nutrients to meet protein and general nutrient requirements.	Women
					<table border="1" style="width: 100%;"> <tr> <td style="width: 20%;">Powder: 16 oz.</td> <td style="text-align: center;">Dependent on Rx</td> </tr> </table> Contact State WIC office for more information on maximum issuance for each individual patient.
Powder: 16 oz.	Dependent on Rx				

Metabolic Formulas—Methylmalonic Acidemia																													
Product Name	Description	Packaging	Composition	Indications	Maximum Monthly WIC Issuance Amounts																								
Milupa OS 2 (Nutricia North America)	Nutritionally incomplete, isoleucine, methionine, threonine and valine-free supplement for children.	Powder: 500 gram can, 2 cans/case (unflavored) Can yield: varies, according to mixing instructions NDC: 81361-0934-90	CHO: sucrose PRO: L-amino acids FAT: none Vitamins, minerals 300 cal., 56.2 grams protein/100 g. powder Osmolality: 720 mOsm/kg (at 1:9 dilution)	For children and adults, including pregnant women, with propionic acidemia or methylmalonic academia (vitamin B ₁₂ -non-responsive).	<table border="1"> <thead> <tr> <th colspan="2">Children</th> </tr> </thead> <tbody> <tr> <td>Powder: 500 gm.</td> <td>Dependent on Rx</td> </tr> </tbody> </table> <p>Contact State WIC office for more information on maximum issuance for each individual patient.</p>	Children		Powder: 500 gm.	Dependent on Rx																				
Children																													
Powder: 500 gm.	Dependent on Rx																												
Propimex®-1 (Abbott Nutrition)	Methionine and valine-free, low isoleucine and low threonine supplemental formula. Nutritionally incomplete. Halal	Powder: 14.1 oz. cans, 6 cans/case (use unpacked measures) Can yield: varies, according to mixing instructions NDC: 70074-0511-33	CHO: corn syrup solids PRO: L-amino acids FAT: high oleic safflower, coconut and soy oils Vitamins, minerals 480 calories, 15 gm. protein/100 gm. powder 20 cal./fl. oz. Osmolality = 370 mOsm/kg H ₂ O	For infants and toddlers with propionic or methylmalonic acidemia.	<table border="1"> <thead> <tr> <th>Non-breastfed infants</th> <th>0-3 months</th> <th>4-5 months</th> <th>6-11 months</th> </tr> </thead> <tbody> <tr> <td>Powder: 14.1 oz.</td> <td>Dependent on Rx</td> <td>Dependent on Rx</td> <td>Dependent on Rx</td> </tr> <tr> <th>Partially breastfed infants</th> <th>1-3 months</th> <th>4-5 months</th> <th>6-11 months</th> </tr> <tr> <td>Powder: 14.1 oz.</td> <td>Dependent on Rx</td> <td>Dependent on Rx</td> <td>Dependent on Rx</td> </tr> <tr> <th colspan="4">Children</th> </tr> <tr> <td>Powder: 14.1 oz.</td> <td colspan="3">Dependent on Rx</td> </tr> </tbody> </table> <p>Contact State WIC office for more information on maximum issuance for each individual patient.</p>	Non-breastfed infants	0-3 months	4-5 months	6-11 months	Powder: 14.1 oz.	Dependent on Rx	Dependent on Rx	Dependent on Rx	Partially breastfed infants	1-3 months	4-5 months	6-11 months	Powder: 14.1 oz.	Dependent on Rx	Dependent on Rx	Dependent on Rx	Children				Powder: 14.1 oz.	Dependent on Rx		
Non-breastfed infants	0-3 months	4-5 months	6-11 months																										
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Children																													
Powder: 14.1 oz.	Dependent on Rx																												
Propimex®-2 (Abbott Nutrition)	Methionine and valine-free, low isoleucine and low threonine supplemental formula. Nutritionally incomplete. Halal	Powder: 14.1 oz. cans, 6 cans/case (use unpacked measures) Can yield: varies, according to mixing instructions NDC: 70074-0511-35	CHO: corn syrup solids PRO: L-amino acids FAT: high oleic safflower, coconut and soy oils Vitamins, minerals 410 calories, 30 gm. protein/100 gm. powder 30 cal./fl. oz. Osmolality = 1350 mOsm/kg H ₂ O	For children and adults with propionic or methylmalonic acidemia.	<table border="1"> <thead> <tr> <th colspan="2">Children and Women</th> </tr> </thead> <tbody> <tr> <td>Powder: 14.1 oz.</td> <td>Dependent on Rx</td> </tr> </tbody> </table> <p>Contact State WIC office for more information on maximum issuance for each individual patient.</p>	Children and Women		Powder: 14.1 oz.	Dependent on Rx																				
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Metabolic Formulas—Methylmalonic Acidemia																	
Product Name	Description	Packaging	Composition	Indications	Maximum Monthly WIC Issuance Amounts												
XMTVI Analog™ (Nutricia North America)	Methionine, threonine, valine-free and isoleucine-low powdered infant formula. Nutritionally incomplete.	Powder: 14 oz. cans, 6 cans/case (use unpacked level scoops) Can yield = 80 oz/can (when mixed to standard dilution) NDC: 49735-018303	CHO: corn syrup solids, galactose PRO: L-amino acids FAT: high oleic safflower, coconut, soy oils Vitamins, minerals 21 cal/fl. oz. 100 gm. powder = 475 cal, 13 gm protein Osmolality = 377 mOsm/kg H ₂ O (at 15% w/v)	For infants with proven vitamin B ₁₂ non-responsive methylmalonic acidemia or propionic acidemia. Must be consumed with whole protein source to meet complete protein requirements and ensure normal growth.	<table border="1"> <thead> <tr> <th colspan="4">Non-breastfed infants</th> </tr> <tr> <th></th> <th>0-3 months</th> <th>4-5 months</th> <th>6-11 months</th> </tr> </thead> <tbody> <tr> <td>Powder: 14 oz.</td> <td>10 cans</td> <td>12 cans</td> <td>8 cans</td> </tr> </tbody> </table>	Non-breastfed infants					0-3 months	4-5 months	6-11 months	Powder: 14 oz.	10 cans	12 cans	8 cans
					Non-breastfed infants												
	0-3 months	4-5 months	6-11 months														
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Powder: 14 oz.	5 cans	6 cans	4 cans														
XMTVI Maxamaid® (Nutricia North America)	Methionine, threonine, valine-free and isoleucine-low powdered medical food for children. Nutritionally incomplete.	Powder: 16 oz. can, 6 cans/case (orange) Can yield: varies, according to mixing instructions NDC: 49735-017785	CHO: sucrose, corn syrup solids, maltodextrin PRO: L-amino acids FAT: none Vitamins, minerals 100 gm powder = 324 cal, 25 gm protein	For children ages 1-8 with proven vitamin B ₁₂ non-responsive methylmalonic acidemia or propionic acidemia. Must be supplemented with natural protein, fluid and other nutrients to meet protein and general nutrient requirements.	<table border="1"> <thead> <tr> <th colspan="2">Children</th> </tr> </thead> <tbody> <tr> <td>Powder: 16 oz.</td> <td>Dependent on Rx</td> </tr> </tbody> </table> <p>Contact State WIC office for more information on maximum issuance for each individual patient.</p>	Children		Powder: 16 oz.	Dependent on Rx								
Children																	
Powder: 16 oz.	Dependent on Rx																

Metabolic Formulas—Methylmalonic Acidemia					
Product Name	Description	Packaging	Composition	Indications	Maximum Monthly WIC Issuance Amounts
XMTVI Maxamum® (Nutricia North America)	Methionine, threonine, valine-free and isoleucine-low powdered medical food Nutritionally incomplete.	Powder: 16 oz. can, 6 cans/case (orange) Can yield: varies, according to mixing instructions NDC: 49735-017779	CHO: sucrose, corn syrup solids PRO: L-amino acids FAT: none Vitamins, minerals 100 gm powder = 305 cal, 40 gm protein	For children >8 and women, including maternal patients, with proven vitamin B ₁₂ non-responsive methylmalonic acidemia or propionic acidemia. Must be suppl. with natural protein, fluid and other nutrients to meet nutrient req.	Women
					Powder: 16 oz.
OA 1 ® (Mead Johnson Nutritionals)	Isoleucine-, methionine-, threonine- and valine-free, iron fortified formula Gluten Free Lactose Free Galactose Free	Powder: 16 oz can, 6 cans/case (purple) Can yield: varies, according to mixing instructions NDC: 0087-510199	CHO: corn syrup solids, modified corn starch, sucrose PRO: L-amino acids FAT: palm olein, coconut, soy, high oleic sunflower, <i>M.alpina</i> and <i>C.cohnii</i> oils Vitamins, minerals 100 gm powder =500 cal, 15.7 gm protein Osmolality: 370 mOsm/kg H ₂ O	For infants and toddlers with propionic and methylmalonic academia (organic Acidemia) Diets must be supplemented with isoleucine, methionine, threonine and valine to support growth	Women
					Powder: 16 oz.
OA 2 ® (Mead Johnson Nutritionals)	Isoleucine-, methionine-, threonine- and valine-free powdered medical food Gluten Free Lactose Free Galactose Free	Powder: 16 oz can, 6 cans/case (purple) Can yield: varies, according to mixing instructions NDC:	CHO: corn syrup solids, modified corn starch, sucrose PRO: L-amino acids FAT: soy oil Vitamins, minerals 410 cal, 21 gm pro/100 gm powder Osmolality:	For children and adults with propionic and methylmalonic academia (organic Acidemia) Must suppl. with isoleucine, valine, methionine, and threonine for growth	Women
					Powder: 16 oz.
Metabolic Formulas—Propionic Acidemia					
See formulas listed in Methylmalonic Acidemia section					

Urea Cycle Disorders								
Product Name	Description	Packaging	Composition	Indications	Maximum Monthly WIC Issuance Amounts			
WND™ 1 (Mead Johnson Nutrition™)	Non-essential amino acid-free, iron fortified powdered infant formula. Nutritionally incomplete. Gluten Free Lactose Free Galactose Free	Powder: 16 oz. cans, 6 cans/case (use unpacked scoops) Can yield: varies, according to mixing instructions NDC: 0087-510205	CHO: corn syrup solids, sucrose, modified corn starch PRO: L-amino acids FAT: palm olein, soy, coconut, high oleic sunflower, m.alpina and c.cohnii oils Vitamins, minerals 100 gm. powder = 500 cal, 6.5 gm protein Osmolality = 280 mOsm/kg H ₂ O	Used in medical management of infants and toddlers with urea cycle (waste nitrogen) disorders. Supplementation is required to provide sufficient calories and protein to support growth, using other foods as required. Not intended to be sole source nutrition	Non-breastfed infants			
					0-3 months	4-5 months	6-11 months	
					Powder: 16 oz.	Dependent on Rx	Dependent on Rx	Dependent on Rx
					Partially breastfed infants			
WND™ 2 (Mead Johnson Nutrition™)	Non-essential amino acid-free, iron fortified, powdered medical food. Nutritionally incomplete. Gluten Free Lactose Free Galactose Free	Powder: 16 oz. cans, 6 cans/case (use packed scoops) Can yield: varies, according to mixing instructions NDC:	CHO: corn syrup solids, sucrose, modified corn starch PRO: L-amino acids FAT: soy oil Vitamins, minerals 100 gm. powder = 410 cal, 8.2 gm protein	Used in medical management of children and adults with urea cycle (waste nitrogen) disorders. Supplementation required with sufficient calories, vitamins, and minerals using other foods to support growth.	0-3 months			
					1-3 months	4-5 months	6-11 months	
					Powder: 16 oz.	Dependent on Rx	Dependent on Rx	Dependent on Rx
					Children			
					Powder: 16 oz. Dependent on Rx			
Contact State WIC office for more information on maximum issuance for each individual patient.								
					Children and Women			
					Powder: 16 oz. Dependent on Rx			
Contact State WIC office for more information on maximum issuance for each individual patient.								
Metabolic Formulas—Argininemia								
Patient care as directed by Maine Children’s Genetic and Metabolic Disorders Clinics								
Metabolic Formulas—Argininosuccinic Aciduria								
Patient care as directed by Maine Children’s Genetic and Metabolic Disorders Clinics								
Metabolic Formulas—Citrullinemia								
Patient care as directed by Maine Children’s Genetic and Metabolic Disorders Clinics								

Metabolic Formulas—Ornithine Translocase Deficiency (aka Hyperonithinemia-Hyperammonemia-Homocitrullinuria Syndrome, or HHH)										
Product Name	Description	Packaging	Composition	Indications	Maximum Monthly WIC Issuance Amounts					
Cyclinex®-1 (Abbott Nutrition)	A nonessential amino acid-free medical food for infants and toddlers. Halal	Powder: 14.1 oz. cans, 6 cans/case (use unpacked measures) Can yield: varies, according to mixing instructions NDC: 70074-0511-45	CHO: corn syrup solids PRO: L-amino acids FAT: high oleic safflower, coconut and soy oils Vitamins, minerals 20 cal./fl.oz. 100 gm. powder = 510 cal., 7.5 gm. protein Osmolality = 275 mOsm/kg H ₂ O (when mixed to 20 cal/fl. oz.)	Designed for infants and toddlers with a proven urea cycle disorder, gyrate atrophy or HHH syndrome. Formula must be supplemented with protein and fluid to meet protein and fluid requirements.	Non-breastfed infants	0-3 months	4-5 months	6-11 months		
					Powder: 14.1 oz.	Dependent on Rx	Dependent on Rx	Dependent on Rx		
					Partially breastfed infants					
					Powder: 14.1 oz.	Dependent on Rx	Dependent on Rx	Dependent on Rx		
					Children					
					Powder: 14.1 oz.	Dependent on Rx				
Contact State WIC office for more information on maximum issuance for each individual patient.										
Cyclinex®-2 (Abbott Nutrition)	A nonessential amino acid-free medical food for children and adults. Halal	Powder: 14.1 oz. cans, 6 cans/case (use unpacked measures) Can yield: varies, according to mixing instructions NDC: 70074-0511-47	CHO: corn syrup solids PRO: L-amino acids FAT: high oleic safflower, coconut and soy oils Vitamins, minerals 31 cal./fl.oz 100 gm. powder = 440 cal., 15 gm. protein Osmolality = 1015 mOsm/kg H ₂ O (when mixed to 30 cal./fl. oz.)	For adults and children with a proven urea cycle disorder, gyrate atrophy or HHH syndrome. Must be supplemented with protein to completely meet protein requirements.	Children and Women					
					Powder: 14.1 oz.	Dependent on Rx				
					Contact State WIC office for more information on maximum issuance for each individual patient.					

Metabolic Formulas—Ornithine Translocase Deficiency (aka Hyperonithinemia-Hyperammonemia-Homocitrullinuria Syndrome, or HHH)					
Product Name	Description	Packaging	Composition	Indications	Maximum Monthly WIC Issuance Amounts
Milupa UCD 2 (Nutricia North America)	Nutritionally incomplete product for management of urea cycle disorders. Not suitable for sole source nutrition	Powder: 500 gm. cans, 2 cans/case Can yield: varies, according to mixing instructions NDC: 81361-0936-10	CHO: sucrose PRO: L-amino acids FAT: none Vitamins, minerals 100 gm. powder = 290 cal., 67 gm. Protein Osmolality = 810 mOsm/kg H ₂ O (1:9 dilution)	For children and adults, including pregnant women, with urea cycle disorders such as carbamoylphosphate synthetase deficiency, ornithine transcarbamylase deficiency, citrullinemia, arginosuccinic acid synthetase deficiency, arginosuccinic acid lyase deficiency, or arginase deficiency. Adequate amounts of fat, carbohydrate and magnesium must be included in the diet along with this formula.	Children
					Powder: 500 gm

Additional Formulas for Various Disorders								
Product Name	Description	Packaging	Composition	Indications	Maximum Monthly WIC Issuance Amounts			
Calcilo XD (Abbott Nutrition)	Nutritionally complete formula for infants. Vitamin D Free Low Calcium Halal	Powder: 13.2 oz cans, 6 cans/case (use unpacked scoops) Can yield = 96 fl. oz. (standard dilution) NDC: 70074-0533-29	CHO: corn syrup PRO: whey protein concentrate, sodium caseinate FAT: corn and coconut oils Vitamins, minerals 100gm powder = 11.4gm protein, 513 cal 20 cal./fl. oz. Osmolality = 190 mOsm/kg H₂O Low calcium content (<10 mg. Ca/100 cal)	For infants with hypercalcemia, Williams' syndrome or whose calcium and/or vitamin D intake must be severely restricted.	Non-breastfed infants			
					0-3 months	4-5 months	6-11 months	
					Powder: 13.2 oz.	9 cans	10 cans	7 cans
					Partially breastfed infants			
					0-3 months	4-5 months	6-11 months	
					Powder: 13.2 oz.	4 cans	5 cans	4 cans
Enfaport® (Mead Johnson Nutrition™)	Nutritionally complete high MCT (84%) high protein formula for infants. NOTE: Product must be diluted when caloric concentration <30 cal/oz are needed. Gluten Free	Ready to Feed Liquid: 8 fl. oz. cans, 24 cans/case NDC: 0087-128941	CHO: corn syrup solids PRO: calcium and sodium caseinates FAT: MCT, soy, M. alpina and C. cohnii oils Vitamins, minerals 30 cal./oz. Osmolality = 280 mOsm/kg H₂O	For infants with chylothorax or long chain 3-hydroxyacyl-CoA dehydrogenase (LCHAD) deficiency.	Non-breastfed infants			
					0-3 months	4-5 months	6-11 months	
					RTF: 8 oz.	104 cans	112 cans	80 cans
					Partially breastfed infants			
					0-3 months	4-5 months	6-11 months	
					RTF: 8 oz.	48 cans	56 cans	40 cans

Additional Formulas for Various Disorders					
Product Name	Description	Packaging	Composition	Indications	Maximum Monthly WIC Issuance Amounts
KetoCal™ 3:1 (Nutricia North America)	Nutritionally complete ketogenic formula; contains a 3:1 ratio (fat:carbohydrate and protein), designed to achieve and maintain a high level of ketosis.	Powder: 11oz (300 g) cans, 6 cans/case (weigh product on gram scale) Can yield: varies, according to mixing instructions NDC: 49735-0166-72	CHO: lactose PRO: milk protein, L-amino acids FAT: refined vegetable (palm, soy) oils Vitamins, minerals 30 cal/oz Osmolality = 180 mOsm/kg H ₂ O (at 1 kcal/ml)	Children up to 8 years of age, or as a supplement for older children and adults, with intractable epilepsy, pyruvate dehydrogenase deficiency or glucose transporter type-1 deficiency.	Children
					Powder: 300 gm
Contact State WIC office for more information on maximum issuance for each individual patient.					
KetoCal™ 4:1 (Nutricia North America)	Nutritionally complete ketogenic formula; contains a 4:1 ratio (fat:carbohydrate + protein), designed to achieve and maintain a high level of ketosis.	Powder: 300 gm. cans, 6 cans/case (weigh product on gram scale) Can yield: varies, according to mixing instructions NDC: 49735-0166-70	CHO: corn syrup solids PRO: dry whole milk, L-amino acids FAT: hydrogenated soybean and refined soybean oils Vitamins, minerals 144 cal/100 ml Osmolality = 197 mOsm/kg H ₂ O	Children 1-10 years of age, or as a supplement for older children and adults, with intractable epilepsy, pyruvate dehydrogenase deficiency or glucose transporter type-1 deficiency.	Children
					Powder: 300 gm
Contact State WIC office for more information on maximum issuance for each individual patient.					

Additional Formulas for Various Disorders								
Product Name	Description	Packaging	Composition	Indications	Maximum Monthly WIC Issuance Amounts			
Monogen (Nutricia North America)	Milk protein based powder which is low in fat and high in MCT. Nutritionally incomplete.	Powder: 14 oz. (400 gram) cans, 4 cans/case (weigh product on gram scale) Can yield: varies, according to mixing instructions NDC: 49735-0170-97	CHO: corn syrup solids PRO: whey protein concentrate, L-amino acids FAT: fractionated coconut and walnut oils, mono- and diglycerides Vitamins, minerals 22 or 30 cal/fl. oz. Osmolality = 250 mOsm/kg H ₂ O (22 cal/fl.oz.); 370 mOsm/kg H ₂ O (30 cal/fl. oz.)	Used for dietary management for children >1 year with gastrointestinal and lymphatic disorders (e.g., chylothorax, intestinal lymphangiectasia, intractable malabsorption) and metabolic diseases (e.g., hyperlipoproteinemia type 1, long chain fatty acid oxidation disorders) Not intended as sole source of nutrition	Children Powder: 14 oz. Dependent on Rx Contact State WIC office for more information on maximum issuance for each individual patient.			
PFD™ Toddler (Mead Johnson Nutriitonal)	Protein and amino acid-free formula that is nutritionally incomplete. Lactose Free Gluten Free Galactose Free	Powder: 16 oz. cans, 6 cans/case (use unpacked level scoops) Can yield: varies, according to mixing instructions NDC: 0087-510178	CHO: corn syrup solids, modified corn starch, sugar PRO: none FAT: palm olein, soy, coconut, high oleic sunflower, M.alpina and C.cohnii oils Vitamins, minerals 530 calories/100 gm. powder Osmolality: 177mOsm/kg H ₂ O	For infants and toddlers with various amino acid metabolic disorders. Sufficient protein from breast milk, infant formula or other sources must be provided to support proper growth.	Non-breastfed infants			
					Powder: 16 oz. Dependent on Rx	0-3 months	4-5 months	6-11 months
					Partially breastfed infants	1-3 months	4-5 months	6-11 months
					Powder: 16 oz. Dependent on Rx	Dependent on Rx	Dependent on Rx	Dependent on Rx
					Children Powder: 16 oz. Dependent on Rx Contact State WIC office for more information on maximum issuance for each individual patient.			

Additional Formulas for Various Disorders								
Product Name	Description	Packaging	Composition	Indications	Maximum Monthly WIC Issuance Amounts			
PFD™ 2 (Mead Johnson Nutriitonal)	Protein- and amino acid-free medical food. Lactose Free Gluten Free Galactose Free	Powder: 16 oz. cans, 6 cans/case (use unpacked level scoops) Can yield: varies, according to mixing instructions NDC:	CHO: corn syrup solids, sucrose, modified corn starch PRO: none FAT: soy oil Vitamins, minerals 400 calories/100 gm. powder	Dietary management of children and adults with inborn errors of amino acid metabolism. Must be mixed with condition-specific amino acids or protein to make a nutritionally complete beverage.	Children and Women			
					Powder: 16 oz. Dependent on Rx Contact State WIC office for more information on maximum issuance for each individual patient.			
Pro-Phree® (Abbott Nutrition)	Protein free medical food. Nutritionally incomplete. Halal	Powder: 14.1 oz. cans, 6 cans/case (use unpacked level measures) Can yield: varies, according to mixing instructions NDC: 70074-0511-49	CHO: corn syrup solids PRO: none FAT: high oleic safflower, coconut and soy oils Vitamins, minerals 20 cal./fl. oz Osmolality: 205 mOsm/kg H ₂ O	For infants or toddlers requiring reduced protein intake, a specific mixture of L-amino acids or increased energy, minerals and vitamins; must be used with a source of protein or amino acids as prescribed by physician. May be used by children and adults	Non-breastfed infants			
					0-3 months	4-5 months	6-11 months	
					Powder: 14.1 oz. Dependent on Rx	Dependent on Rx	Dependent on Rx	Dependent on Rx
					Partially breastfed infants	1-3 months	4-5 months	6-11 months
					Powder: 14.1 oz. Dependent on Rx	Dependent on Rx	Dependent on Rx	Dependent on Rx
					Children	Powder: 14.1 oz. Dependent on Rx Contact State WIC office for more information on maximum issuance for each individual patient.		

Additional Formulas for Various Disorders													
Product Name	Description	Packaging	Composition	Indications	Maximum Monthly WIC Issuance Amounts								
ProViMin® (Abbott Nutrition)	Protein, vitamin, mineral supplemental formula with iron. Nutritionally incomplete. Halal Kosher	Powder: 5.3 oz cans, 6 cans/case Can yield: varies, according to mixing instructions NDC: 70074-0502-60	CHO: none PRO: sodium caseinate, L-amino acids FAT: coconut oil Vitamins, minerals 313 calories, 73 gm. protein/100 gm. powder	For children and infants with chronic diarrhea or other malabsorptive disorders or who require a formula restricted in carbohydrate and fat, and/or increased protein. (abetalipoproteinemia; cholestasis; chylothorax; fatty acid oxidation defects; glutaric aciduria type II; hyperlipoproteinemia type I [fasting chylomicronemia]; hypobetalipoproteinemia; lymphangiectasis, intestinal malabsorption of carbohydrate and/or fat); contains insufficient amounts of as carbohydrate, fat and linoleic acid	<table border="1"> <thead> <tr> <th>Non-breastfed infants</th> <th>0-3 months</th> <th>4-5 months</th> <th>6-11 months</th> </tr> </thead> <tbody> <tr> <td>Powder: 5.3 oz.</td> <td>Dependent on Rx</td> <td>Dependent on Rx</td> <td>Dependent on Rx</td> </tr> </tbody> </table>	Non-breastfed infants	0-3 months	4-5 months	6-11 months	Powder: 5.3 oz.	Dependent on Rx	Dependent on Rx	Dependent on Rx
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Contact State WIC office for more information on maximum issuance for each individual patient.													
RCF® (Abbott Nutrition)	Carbohydrate-free soy protein based infant formula. Carbohydrate source must be added separately.	Concentrated liquid: 13 fl.oz. cans, 12 cans/case NDC: 70074-0401-08	CHO: none PRO: soy protein isolate, L-methionine FAT: high oleic safflower, soy and coconut oils Vitamins, minerals 20 cal./fl. oz Osmolality = 90 mOsm/kg H ₂ O	For infants with intractable diarrhea, seizure disorders requiring a ketogenic diet, or certain inborn errors of metabolism. The carbohydrate source must be added when preparing the formula. Carbohydrate source must be specified by prescribing physician.	<table border="1"> <thead> <tr> <th>Non-breastfed infants</th> <th>0-3 months</th> <th>4-5 months</th> <th>6-11 months</th> </tr> </thead> <tbody> <tr> <td>Concentrate: 13 oz.</td> <td>Dependent on Rx</td> <td>Dependent on Rx</td> <td>Dependent on Rx</td> </tr> </tbody> </table>	Non-breastfed infants	0-3 months	4-5 months	6-11 months	Concentrate: 13 oz.	Dependent on Rx	Dependent on Rx	Dependent on Rx
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