



YOUR QUICK REFERENCE TO OUR METABOLIC PRODUCT PORTFOLIO

Nutricia North America offers a wide variety of medical foods for the dietary management of inborn errors of metabolism (IEM). We are committed to providing superior products as well as support for you and your patients.

This guide is a summary of our diverse product portfolio. We provide further product information and educational support on **Nutricia Learning Center**, our web-based platform for healthcare professionals.

Visit **NutriciaLearningCenter.com** for helpful complements to this Quick Reference Guide, including:

- Product Reference Guide, a comprehensive review of all Nutricia products
- Metabolics Product Poster, a visual guide to products organized by disorder
- Interactive tools, such as DRI calculators and formula transition guides



OUR GMP PRODUCT RANGE FOR PKU*











PKU Periflex® Early Years

- Phenylalanine-free infant formula
- Provides 13.5 g PE per 100 g powder
- Contains DHA, ARA and prebiotics

PKU Periflex® Junior Plus

- Age 1+ formula that contains DHA and a multi-fiber blend
- Provides 28 g PE per 100 g powder
- Available in Plain, Vanilla, Berry and Orange flavors

PhenylAde® GMP READY

- Age 1+ ready-to-drink formula
- Provides 110 calories, 10 g PE and 18 mg phenylalanine (Phe) per 250 mL container
- Contains a source of DHA & EPA

PhenylAde® GMP Drink Mix

- Age 1+ formula that contains DHA & fiber
- Provides 30 g PE per 100 g powder
- Provides 132 calories and 15.3 mg Phe per 10 g PE
- Available in Vanilla & Original flavors

PhenylAde® GMP Mix-In

- Age 1+ formula that provides 80 g PE per 100 g powder
- Provides 42 calories and 15.3 mg Phe per 10 g PE
- Mixes easily into flavored drinks, PKU formula or foods low in protein



Periflex® LQ

• Provides 15 g PE per 250 mL ready-to-drink container

PKU

• Available in Berry Crème and Orange Crème flavors



Periflex® Advance

- Provides 35 g PE per 100 g powder
- Available in Unflavored and Orange flavors



PhenylAde® Essential Drink Mix

- Provides 25 g PE and 13 g fat per 100 g powder
- Available in Unflavored, Chocolate, Vanilla. Orange Creme and Strawberry flavors



PhenylAde® GMP ULTRA

- Ages 3+ low volume formula
- Provides 20 g PE and 36 mg Phe per pouch
- Provides 98 calories (Lemonade flavor) or 107 calories (Vanilla flavor) in each pouch



PKU



PKU Lophlex® LQ

- Ages 4+ ready-to-drink formula
- Provides 20 g PE and 120 calories per 125 mL pouch
- Available in Juicy Orange, Mixed Berry Blast and Juicy Tropical flavors



PKU Lophlex® Powder

- Provides 10 g PE and 41 calories per pouch
- Available in Orange and Berry flavors

PhenylAde® 60 Drink Mix

- Provides 60 g PE per 100 g powder
- Provides 49 calories per 10 g PE
- Available in Unflavored and Vanilla flavors



PhenylAde® 40 Drink Mix

- Provides 10 g PE and 83 calories per pouch
- Available in Unflavored and Citrus flavors



XPhe Maxamum®

- Provides 40 g PE and <1 g fat per 100 g powder
- Available in Unflavored and Orange flavors



PhenylAde® Amino Acid Blends

- Amino Acid Blend: Contains 81 g PE per 100 g powder
- MTE Amino Acid Blend: Contains 78 g PE per 100 g; contains some minerals & trace elements
- Both Amino Acid Blends are available in cans and pouches



Phlexy-10° Tablets

- Ages 8+ tablets; an alternative to PKU liquid formula
- 12 tablets provide 10 g PE



Phlexy-10® Drink Mix

- Provides 8.3 g PE and 69 calories per pouch
- Available in Blackcurrant-Apple and Tropical Surprise flavors



PhenylAde® PheBLOCTM LNAA

- Provides large neutral amino acids (except Phe), as an alternative option for the management of PKU
- Ages 12+; not for use during pregnancy



6 PKU (Phenylketonuria) PKU (Phenylketonuria) 7

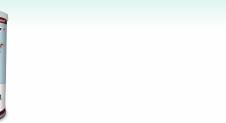








- For young children and sick day management
- Contains DHA & ARA





MSUD Anamix® Early Years

- Branched-chain amino acid-free infant formula
- Provides 13.5 g PE per 100 g powder
- Contains DHA, ARA and prebiotics

- Provides 13 g PE per 100 g powder

MSUD Lophlex® LQ

- Ages 4+ ready-to-drink formula
- Provides 20 g PE and 120 calories per 125 mL pouch
- Available in Mixed Berry Blast flavor

MSUD Maxamum®

- Provides 40 g PE and <1 g fat per 100 g powder
- Available in Orange flavor

Complex MSD products contain an amino acid profile specifically designed for MSUD in cooperation with the Clinic for Special Children in Pennsylvania *





Complex Essential MSD Drink Mix

- Provides 25 g PE per 100 g powder
- Lower energy to protein ratio compared to Complex Junior MSD Drink Mix
- Available in Vanilla flavor

Complex MSD Amino Acid Blend

- Provides 81 g PE per 100 g powder
- Can be used to increase PE content in Complex or other MSUD formulas



GA-1











HCU

GA-1 Anamix® Early Years

- Lysine-free and low tryptophan infant formula
- Provides 13.5 g PE per 100 g powder
- Contains DHA, ARA and prebiotics

GlutarAde™ Junior GA-1 Drink Mix

- For young children and sick day management
- Provides 10 g PE per 100 g powder
- Contains a source of omega-3

HCU Anamix® Early Years

- Methionine-free infant formula
- Provides 13.5 g PE per 100 g powder
- Contains DHA, ARA and prebiotics

HCU Anamix® Next

- Age 1+ formula that contains DHA and a multi-fiber blend
- Provides 28 g PE per 100 g powder

GlutarAde™ products contain an amino acid profile specifically designed for GA-1 in cooperation with the Clinic for Special Children in Pennsylvania*



GlutarAde™ Essential GA-1 Drink Mix

- Provides 25 g PE per 100 g powder
- Lower energy to protein ratio compared to GlutarAde™ Junior GA-1 Drink Mix
- Available in Vanilla flavor



GlutarAde™ Amino Acid Blend

- Provides 81 g PE per 100 g powder
- Can be used to increase PE content in GlutarAde or other GA-1 formulas



HCU Lophlex® LQ

- Ages 4+ ready-to-drink formula
- Provides 20 g PE and 120 calories per 125 mL pouch
- Available in Mixed Berry Blast flavor



XMet Maxamum®

- Provides 40 g PE and <1 g fat per 100 g powder
- Available in Orange flavor



10 GA-1 (Glutaric Acidemia) HCU (Homocystinuria) 11







- Leucine-free infant formula
- Provides 13.5 g PE per 100 g powder
- Contains DHA, ARA and prebiotics



IVA Anamix® Next

- Age 1+ formula that contains DHA and a multi-fiber blend
- Provides 28 g PE per 100 g powder



MMA/PA Anamix® Early Years

- A methionine-, threonine-, valine-free and low in isoleucine infant formula
- Provides 13.5 g PE per 100 g powder
- Contains DHA, ARA and prebiotics



MMA/PA Anamix® Next

- Age 1+ formula that contains DHA and a multi-fiber blend
- Provides 28 g PE per 100 g powder





XLeu Maxamum®

- Provides 40 g PE and <1 g fat per 100 g powder
- Available in Orange flavor



- Provides 40 g PE and <1 g fat per 100 g powder
- Available in Orange flavor



12 IVA (Isovaleric Acidemia) MMA/PA (Methylmalonic or Propionic Acidem

TYR



TYR Anamix® Early Years

- Tyrosine- and phenylalanine-free infant formula
- Provides 13.5 g PE per 100 g powder
- Contains DHA, ARA and prebiotics



TYR Anamix® Next

- Age 1+ formula that contains DHA and a multi-fiber blend
- Provides 28 g PE per 100 g powder



UCD Anamix® Junior

- Age 1+ BCAA-rich formula
- Provides 12 g PE per 100 g powder
- Available in Unflavored and Vanilla flavors



Essential Amino Acid Mix

- Unflavored mixture of essential amino acids
- Provides 4 g PE per 5 g powder



UCD

SOD



TYR Lophlex® LQ

- Ages 4+ ready-to-drink formula
- Provides 20 g PE and 120 calories per 125 mL pouch
- Available in Mixed Berry Blast flavor



TYR Lophlex® GMP Mix-In

- Age 1+ glycomacropeptide-based formula that provides 80 g PE per 100 g powder
- Provides 40 calories, 18 mg Phe and 3.5 mg
 Tyrosine per 10 g PE
- Mixes easily into flavored drinks, TYR formula or foods low in protein



SOD Anamix® Early Years

- Methionine- and cystine-free infant formula
- Provides 13.5 g PE per 100 g powder
- Contains DHA, ARA and prebiotics



14 TYR (Tyrosinemia) UCD (Urea Cycle Disorders) & SOD (Sulfite Oxidase Deficiency) 15

FAOD & Modulars



Monogen[®]

- Age 1+ low fat, high MCT formula
- 84% medium chain triglyceride (MCT) and 16% long chain triglyceride (LCT) fat composition
- Provides protein from a casein/ whey mix



Liquigen®

- Age 1+ high energy MCT emulsion for conditions where MCT is part of dietary management
- 50% MCT and 50% water



Duocal®

FAOD

- Protein-free medical food providing calories from fat and carbohydrate
- Each 5 g scoop provides 25 calories



Polycal[™]

- Powdered energy source providing carbohydrate only (as maltodextrin)
- Each 5 g scoop provides 20 calories



Single Amino Acids

 Pure amino acid powder available in L-Arginine, Glycine, L-Isoleucine, L-Leucine, L-Tyrosine and L-Valine

Our Loprofin and Milupa Low Protein Foods

A line of low protein foods including pasta, rice, cereal, baking mix, and more

Low Protein Food



For more information, visit MedicalFood.com

Modulars

16 FAOD (Fatty Acid Oxidation Disorders) & Modulars



Resources & connections for patients & families

Nutricia Connect is our patient-facing services program. We offer a wide range of resources and tools to help support patients & families at each stage of life.



Recipes

A collection of recipes and low protein products



Low Pro Living Blog

Find diet management tips, patient stories and more



Formula Samples* & Special Offers

Trusted products to help your patients manage and thrive



Disorder Education

Easy-to-understand education tools

Encourage your patients to join us at **NutriciaConnect.com**!

*Nutricia North America will contact you for approval of all patient-requested samples.



Helping families find formula coverage

As part of our Nutricia Connect program, **Nutricia Navigator** is our free-of-charge assistance program available to help guide patients & families through the formula coverage process.

Our Navigator team is here to help families by...

- Contacting health insurance providers to verify coverage of Nutricia products
- Helping complete pre-determinations, prior authorizations
 & medical necessity reviews, and
- Assisting in appealing insurance denials are some of the help we provide.

To learn more, visit MedicalFood.com/Reimbursement or call 800-365-7354.



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Have questions?

Contact the Nutricia Team

800-365-7354 | MedicalFood.com

ZRMDPB 7/20

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Nutricia Metabolics products are medical foods for the dietary management of inborn errors of metabolism and must be used under medical supervision.