



Neocate[®] DRI Calculator & Mixing Tool

Food Allergy University 2022

Michelle Rivera, RD, LD, CNSC

Territory Manager, Specialized Pediatrics,
Nutricia North America

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Disclosures



- Employee of Nutricia North America

The Neocate DRI Calculator & Mixing Tool is for healthcare professionals only.

Neocate[®] is a family of hypoallergenic, amino acid-based medical foods for use under medical supervision and is indicated for cow milk allergy, multiple food allergies and related GI and allergic conditions.

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Objectives



At the end of this presentation, you should be able to answer the following questions:

1. What is this resource?
2. Where can I find it?
3. How can I use this in my practice?

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WHAT is this tool?



- Neocate DRI Calculator
 - Customizable document to assess patient-specific nutrition needs & goals
 - Evaluate nutrition adequacy from Neocate AND other dietary sources if applicable

Neocate® DRI Calculator For Healthcare Professionals in North America

Our Neocate DRI calculator shows the nutrients Neocate feedings provide. By age and gender, it helps you assess how Neocate meets their needs and your goals.

Want to add nutrient intake from other sources? Click plus icon (+) above ⚙️ to unhide columns and manually enter nutrient intake from other sources. This will display DRIs from DIET. Click (-) to hide.

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1) Choose the product:
Neocate® infant formula with DHA & ARA

2) Enter the number of calories:
680 calories = ~2852 kJ

3) Choose a DRI demographic group for comparison:
7-12 mo, Male

4) Optional, enter kg body weight to calculate key nutrient intake / kg / day: **8.5 kg** = 18.74 lb
 680 kcal of Neocate® infant formula with DHA & ARA provides **80 kcal/kg/d** and **2.24 g protein/kg/d** these amounts per kg: **108 mL free water/kg/d**

| MACRONUTRIENTS | 7-12 mo, Male DRI | in Neocate | NEOCATEN TOTAL% |
|-----------------------|-------------------|------------|-----------------|
| Energy | EER 743 kcal | 680 kcal | 92% 92% |
| Protein | RDA 11 g | 19.0 g PE | 173% 173% |
| Carbohydrate | AI 95 g | 73.2 g | 77% 77% |
| Prebiotic Fiber | AI - | 0 g | - - |
| Fat | AI 30 g | 34.5 g | 115% 115% |
| Linoleic Acid | AI 4.6 g | 5.0 g | 109% 109% |
| α-Linolenic Acid | AI 0.5 g | 0.59 g | 118% 118% |
| as LCT | - | 23.1 g | - - |
| as MCT | - | 11.4 g | - - |
| DHA | - | 97.6 mg | - - |
| ARA | - | 97.6 mg | - - |
| Ash (for Canada only) | - | 4.7 g | - - |
| Free water | AI 800 mL | ~921 mL | 115% 115% |

following standard mixing instructions for powders

| VITAMINS | 7-12 mo, Male DRI | in Neocate | NEOCATEN TOTAL% |
|------------------------------|-------------------|--------------|-----------------|
| Vitamin A | AI 500 mcg | 572 mcg RE | 114% 114% |
| Vitamin D | AI 400 IU | 495 IU | 124% 124% |
| Vitamin E | AI 10 mcg | 12.4 mcg | 124% 124% |
| Vitamin K | AI 5 mcg | 6.4 mcg α-TE | 128% 128% |
| Thiamine (B ₁) | AI 2.5 mcg | 59.8 mcg | 2393% 2393% |
| Riboflavin (B ₂) | AI 300 mcg | 760 mcg | 253% 253% |
| Niacin (B ₃) | AI 400 mcg | 760 mcg | 190% 190% |
| Vitamin B ₆ | AI 300 mcg | 760 mcg | 253% 253% |
| Vitamin B ₁₂ | AI 0.5 mcg | 1.8 mcg | 366% 366% |
| Folic Acid (B ₉) | AI 4000 mcg | 6899 mcg | 172% 172% |
| Folic Acid (B ₉) | AI 80 mcg DFE | 90.0 mcg | 188% 188% |

A nutritionally complete, powdered amino acid-based infant formula containing iron, DHA, ARA and nucleotides.

Available in United States (formulation updated 2018) and Canada (launched 2019). Refer to label for directions for preparation and storage and country-specific nutrition information.

680 kcal are provided by 140.8 grams of powder

Monthly supply needs based on 680 daily calories:
 Neocate® DRI Calculator | Mixing & Measures Tool

DRI: Dietary Reference Intakes

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WHAT is this tool?



- Neocate Mixing & Measures Tool
 - ▣ Healthcare professionals can customize recipes for patients
 - ▣ Household measures provided for ease of mixing at home for families

Customize a recipe for mixing Neocate powdered formulas:

i) Select a Method; enter desired values in 2 bright blue cells; press [enter].
 ii) Values in lower cells generate based on values entered.
 iii) If needed, alter values to tailor a recipe to meet your needs.

Method A

You choose the concentration and final volume:

| | | | |
|------------------------|-----|------------|----------------|
| Desired Concentration | 0 | kcal/fl oz | = 0.00 kcal/mL |
| Desired Final Volume | 0.0 | fl oz* | |
| Total Energy Provided | | kcal | |
| Neocate Powder Needed | | grams | |
| Volume Displaced | | fl oz* | |
| Volume of Water Needed | | fl oz* | |

* Mixing Method calculations are BLANK! Only for Neocate Nutra and Splash products

Method B

You choose the concentration and number of scoops:

| | | | |
|-----------------------|---|------------|----------------|
| Desired Concentration | 0 | kcal/fl oz | = 0.00 kcal/mL |
|-----------------------|---|------------|----------------|

Household Measures Calculator - For US Healthcare Professionals[†]

By using this tool, you affirm you've read & accept Nutricia's guidance on use of household measures with our specialized products (Howe[†])

2b) How many grams of Neocate[®] Syneo[®] Infant would you like a 'recipe' for?

0.0 grams

Approximate level & unpacked Household Measures for Neocate[®] Syneo[®] Infant

| Amounts Needed | Measure [†] | Approximate Weight [†] |
|----------------|----------------------|---|
| | 1 cup (240 mL) | 130 g |
| | ½ cup (120 mL) | 65.0 g |
| | ¼ cup (60 mL) | 43.3 g |
| | ⅓ cup (80 mL) | 32.5 g |
| | 1 Tbsp (15 mL) | 8.1 g |
| | 1 tsp (5 mL) | 2.7 g |
| | ½ tsp (2.5 mL) | 1.4 g |
| Total: 0.0 g | | = the amount household measures can approximate |
| Deficit: 0.0 g | | = the amount household measures can't approximate |

† Nutricia North America recommends scoops over household measures for accuracy

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WHERE can I find it?



www.nutricialearningcenter.com

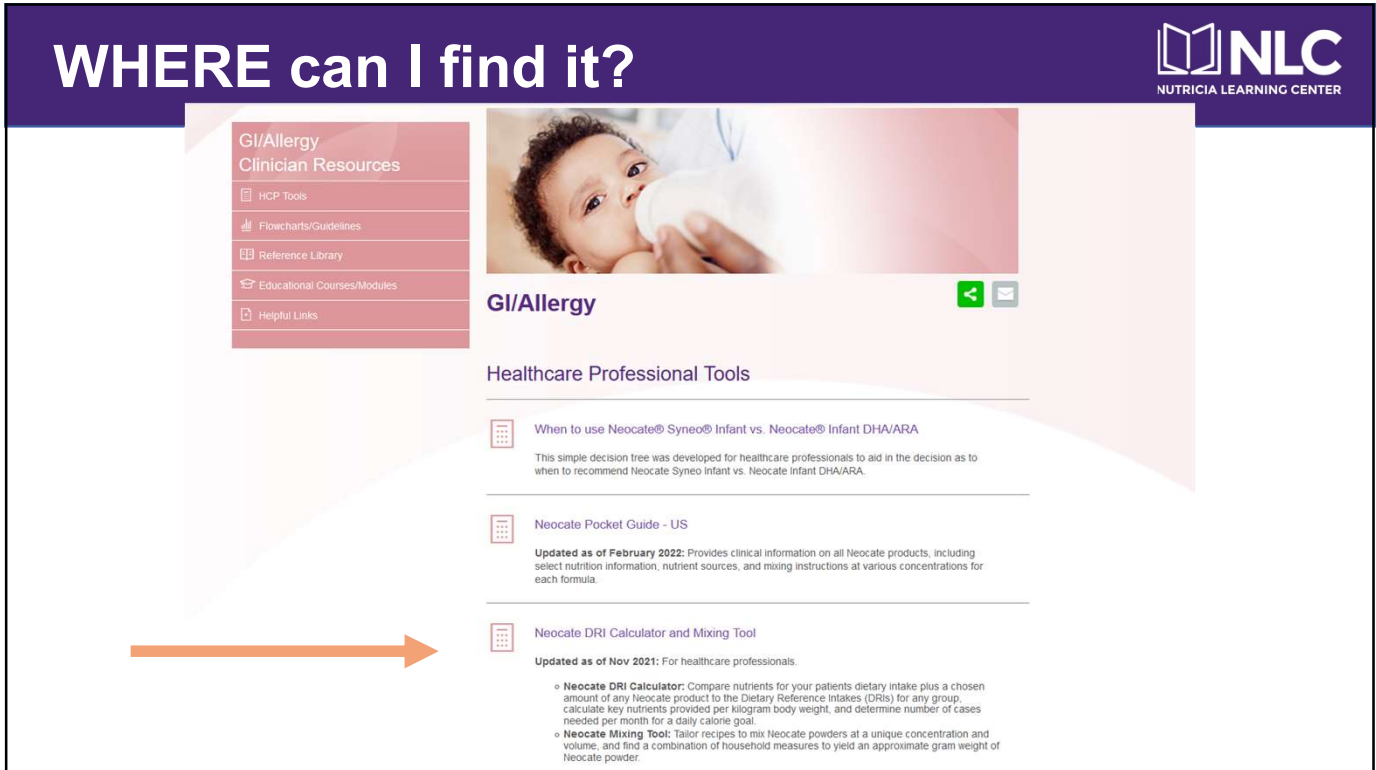
Select:
 "GI/Allergy"

The screenshot shows the website interface with the following elements:

- Top navigation: Webinars, Clinician Resources, Patient Resources, Case Studies, Nutricia Portfolio
- Search bar: "What are you looking for today?" Search NLC
- Hero section: "The Power of Together." with a description of NLC as a community hub and a "Case Studies: Patient nutrition plans..." link.
- Footer: "Have a question?" with an "Ask us" button and a "CE credit request" button.

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WHERE can I find it?



GI/Allergy Clinician Resources

- HCP Tools
- Flowcharts/Guidelines
- Reference Library
- Educational Courses/Modules
- Helpful Links

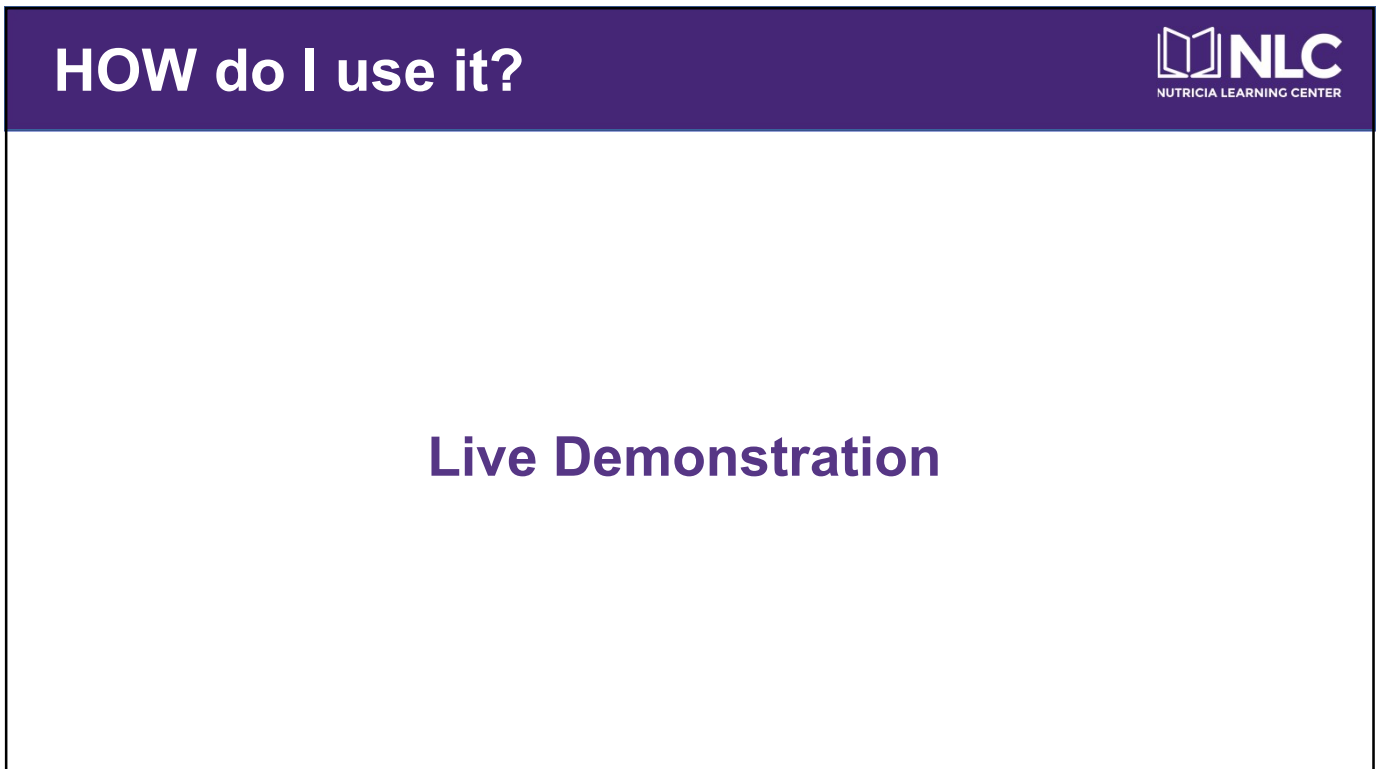
GI/Allergy

Healthcare Professional Tools

- When to use Neocate® Syneo® Infant vs. Neocate® Infant DHA/ARA**
This simple decision tree was developed for healthcare professionals to aid in the decision as to when to recommend Neocate Syneo infant vs. Neocate Infant DHA/ARA.
- Neocate Pocket Guide - US**
Updated as of February 2022: Provides clinical information on all Neocate products, including select nutrition information, nutrient sources, and mixing instructions at various concentrations for each formula.
- Neocate DRI Calculator and Mixing Tool**
Updated as of Nov 2021: For healthcare professionals.
 - **Neocate DRI Calculator:** Compare nutrients for your patients dietary intake plus a chosen amount of any Neocate product to the Dietary Reference Intakes (DRIs) for any group, calculate key nutrients provided per kilogram body weight, and determine number of cases needed per month for a daily calorie goal.
 - **Neocate Mixing Tool:** Tailor recipes to mix Neocate powders at a unique concentration and volume, and find a combination of household measures to yield an approximate gram weight of Neocate powder.

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HOW do I use it?



Live Demonstration

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Example 1: DRI Calculator



Clinical Situation:

Neocate[®] Syneo[®] Infant has been recommended for a 9 mo. male infant with CMA. He weighs 8.5 kg and estimated needs = ~680 calories/day.

What do we want to know?

1. How many cans of formula/month will meet his daily calorie goal?
2. Will this regimen meet the DRI for vitamin D?

CMA = cow milk allergy

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Example 2: Mixing Tool



Clinical Situation:

A toddler with FPIES on Neocate[®] Junior, Chocolate needs extra calories and struggles to drink large volumes. You recommend 45 kcal/fl oz as target and want them to get close to 500 calories from Neocate per day.

What do we want to know?

1. How many scoops are needed?
2. What volume of water is needed?
3. What is the approximate final volume when you factor in displacement?

FPIES = food protein-induced enterocolitis syndrome

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Thank you!

**For further questions, contact Nutrition Services at
NutritionServices@nutricia.com**

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