

# Adding Neocate<sup>®</sup> Syneo<sup>®</sup> Infant to Human Milk<sup>★</sup>

For Healthcare Professionals<sup>†</sup>

## Start with Human Milk + add gram weights of Neocate Syneo Infant

Neocate Syneo Infant is a nutritionally complete, powdered, amino acid-based infant formula with a patented blend of prebiotic fibers and probiotics. Neocate Syneo Infant is indicated for cow milk allergy, multiple food allergies, and related gastrointestinal (GI) and allergic conditions, including food protein-induced enterocolitis syndrome (FPIES), eosinophilic GI disorders (EGIDs) and gastroesophageal reflux related to food allergies.



Approximate US Household Measures\*  
Leveled and Unpacked

<b>1 scoop</b>	<b>4.7 g</b>
1 tsp (5 mL)	2.7 g
1 Tbsp (15 mL)	8.1 g
¼ cup (60 mL)	32.5 g
⅓ cup (80 mL)	43.3 g
½ cup (120 mL)	65.0 g
1 cup (240 mL)	130 g

★This table only applies to Neocate Syneo Infant, not Neocate Infant DHA/ARA

### Desired concentration following addition of Neocate Syneo Infant powder:<sup>‡</sup>

Volume of Human Milk: <sup>‡</sup>		22 kcal/fl oz 0.73 kcal/mL			24 kcal/fl oz 0.80 kcal/mL			26 kcal/fl oz 0.87 kcal/mL			27 kcal/fl oz 0.90 kcal/mL			28 kcal/fl oz 0.93 kcal/mL			30 kcal/fl oz 1.00 kcal/mL				
		Adds ~0.19 g PE/100 mL <sup>‡</sup> Estimated 315 mOsm/kg <sup>‡</sup>			Adds ~0.38 g PE/100 mL <sup>‡</sup> Estimated 350 mOsm/kg <sup>‡</sup>			Adds ~0.57 g PE/100 mL <sup>‡</sup> Estimated 390 mOsm/kg <sup>‡</sup>			Adds ~0.66 g PE/100 mL <sup>‡</sup> Estimated 405 mOsm/kg <sup>‡</sup>			Adds ~0.76 g PE/100 mL <sup>‡</sup> Estimated 425 mOsm/kg <sup>‡</sup>			Adds ~0.95 g PE/100 mL <sup>‡</sup> Estimated 460 mOsm/kg <sup>‡</sup>				
fl oz	mL	Neocate Syneo Infant to add:		Approximate Final Volume		Neocate Syneo Infant to add:		Approximate Final Volume		Neocate Syneo Infant to add:		Approximate Final Volume		Neocate Syneo Infant to add:		Approximate Final Volume		Neocate Syneo Infant to add:		Approximate Final Volume	
		mL	fl oz	mL	fl oz	mL	fl oz	mL	fl oz	mL	fl oz	mL	fl oz	mL	fl oz	mL	fl oz	mL	fl oz	mL	fl oz
1.0	30	0.48 g	30	1.0	0.98 g	31	1.0	1.5 g	31	1.0	1.7 g	31	1.0	2.0 g	31	1.0	2.5 g	32	1.1		
1.5	45	0.72 g	46	1.5	1.5 g	46	1.5	2.2 g	47	1.6	2.6 g	47	1.6	3.0 g	47	1.6	3.8 g	48	1.6		
2.0	60	0.97 g	61	2.0	2.0 g	61	2.0	3.0 g	62	2.1	3.5 g	62	2.1	4.0 g	63	2.1	5.1 g	64	2.1		
2.5	75	1.2 g	76	2.5	2.4 g	77	2.6	3.7 g	78	2.6	4.4 g	78	2.6	5.0 g	79	2.6	6.3 g	79	2.6		
3.0	90	1.4 g	91	3.0	2.9 g	92	3.1	4.5 g	93	3.1	5.2 g	94	3.1	6.0 g	94	3.1	7.6 g	95	3.2		
3.5	105	1.7 g	105	3.5	3.4 g	105	3.5	5.2 g	110	3.7	6.1 g	110	3.7	7.0 g	110	3.7	8.9 g	110	3.7		
4.0	120	1.9 g	120	4.0	3.9 g	125	4.2	5.9 g	125	4.2	7.0 g	125	4.2	8.0 g	125	4.2	10.1 g	125	4.2		
4.5	135	2.2 g	135	4.5	4.4 g	140	4.7	6.7 g	140	4.7	7.8 g	140	4.7	9.0 g	140	4.7	11.4 g	145	4.8		
5.0	150	2.4 g	150	5.0	4.9 g	155	5.2	7.4 g	155	5.2	8.7 g	155	5.2	10.0 g	155	5.2	12.7 g	160	5.3		
5.5	165	2.7 g	165	5.5	5.4 g	170	5.7	8.2 g	170	5.7	9.6 g	170	5.7	11.0 g	175	5.8	13.9 g	175	5.8		
6.0	180	2.9 g	180	6.0	5.9 g	185	6.2	8.9 g	185	6.2	10.4 g	185	6.2	12.0 g	190	6.3	15.2 g	190	6.3		
6.5	195	3.1 g	195	6.5	6.4 g	200	6.7	9.6 g	200	6.7	11.3 g	205	6.8	13.0 g	205	6.8	16.5 g	205	6.8		
7.0	210	3.4 g	210	7.0	6.8 g	215	7.2	10.4 g	215	7.2	12.2 g	220	7.3	14.0 g	220	7.3	17.7 g	225	7.5		
7.5	225	3.6 g	230	7.7	7.3 g	230	7.7	11.1 g	235	7.8	13.1 g	235	7.8	15.0 g	235	7.8	19.0 g	240	8.0		
8.0	240	3.9 g	245	8.2	7.8 g	245	8.2	11.9 g	250	8.3	13.9 g	250	8.3	16.0 g	250	8.3	20.3 g	255	8.5		
8.5	255	4.1 g	260	8.7	8.3 g	260	8.7	12.6 g	265	8.8	14.8 g	265	8.8	17.0 g	265	8.8	21.5 g	270	9.0		

Last updated July 1, 2024

\*Household measures are based on standard US, dry household measures. All measures are level and unpacked. These values are approximations only, whereas the scoops Nutricia provides are validated for use with Nutricia formulas. **Nutricia North America recommends using a scale for greatest accuracy.** Dilutions are more accurate using weighed powder vs. scoops.

†Scoops should be level and unpacked. One level, unpacked scoop yields 4.7 grams powder and provides 21.9 kcal. One gram provides 4.66 kcal and displaces ~0.71 mL water.

‡For patient safety, Nutricia directs caregivers requesting these instructions to their healthcare teams.

‡This chart assumes 1 fl oz = 30 mL and that mature human milk is 20 kcal/fl oz.<sup>1</sup> Volumes of human milk are exact, but final volume of mixture may vary slightly. PE = Protein equivalent. Protein g/100 mL human milk varies. Add this number to your preferred value for protein in human milk (g/100 mL) to estimate increase by adding Neocate Syneo Infant. Osmolality based on 2.565 mOsm/g + average osmolality of 280 mOsm/kg for mature human milk<sup>1</sup>

1. Kleinman RE, Ed. Pediatric Nutrition Handbook. American Academy of Pediatrics, 2004:938.

**Not recommended for use in infants with a central venous catheter or post-pyloric feeding tube unless directed or supervised by a healthcare professional. For more information on product use, visit [Neocate.com](https://www.Neocate.com)**



**Nutricia North America supports the use of human milk whenever possible. Follow your facility's preparation & storage guidelines. Refer to can label for standard instructions for preparation and use.**

**For questions, contact:**  
**NutritionServices@Nutricia.com**  
**(800) 375-3654**  
**[neocate.com/for-healthcare-professionals/](https://www.Neocate.com/for-healthcare-professionals/)**

© 2024 Nutricia North America. All rights reserved.