

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

For Healthcare Professionals<sup>†</sup>

## Start with Breast 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 prebiotics and probiotics. Neocate Syneo Infant is indicated for cow milk allergy, multiple food allergies, and related gastrointestinal and allergic conditions, including food protein-induced enterocolitis syndrome (FPIES), eosinophilic esophagitis (EoE) and gastroesophageal reflux.



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 Breast Milk: <sup>‡</sup>		22 kcal/fl oz 0.73 kcal/mL Adds ~0.19 g PE/100 mL <sup>‡</sup> Estimated 315 mOsm/kg <sup>‡</sup>			24 kcal/fl oz 0.80 kcal/mL Adds ~0.38 g PE/100 mL <sup>‡</sup> Estimated 350 mOsm/kg <sup>‡</sup>			26 kcal/fl oz 0.87 kcal/mL Adds ~0.57 g PE/100 mL <sup>‡</sup> Estimated 390 mOsm/kg <sup>‡</sup>			27 kcal/fl oz 0.90 kcal/mL Adds ~0.66 g PE/100 mL <sup>‡</sup> Estimated 405 mOsm/kg <sup>‡</sup>			28 kcal/fl oz 0.93 kcal/mL Adds ~0.76 g PE/100 mL <sup>‡</sup> Estimated 425 mOsm/kg <sup>‡</sup>			30 kcal/fl oz 1.00 kcal/mL Adds ~0.95 g PE/100 mL <sup>‡</sup> Estimated 460 mOsm/kg <sup>‡</sup>		
		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		Neocate Syneo Infant to add:	Approximate Final Volume	
fl oz	mL	g	mL	fl oz	g	mL	fl oz	g	mL	fl oz	g	mL	fl oz	g	mL	fl oz	g	mL	fl oz
1.0	30	0.47 g	30	1.0	0.96 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	0.71 g	46	1.5	1.4 g	46	1.5	2.2 g	47	1.6	2.6 g	47	1.6	2.9 g	47	1.6	3.7 g	48	1.6
2.0	60	0.95 g	61	2.0	1.9 g	61	2.0	2.9 g	62	2.1	3.4 g	62	2.1	3.9 g	63	2.1	5.0 g	64	2.1
2.5	75	1.2 g	76	2.5	2.4 g	77	2.6	3.6 g	78	2.6	4.3 g	78	2.6	4.9 g	78	2.6	6.2 g	79	2.6
3.0	90	1.4 g	91	3.0	2.9 g	92	3.1	4.4 g	93	3.1	5.1 g	94	3.1	5.9 g	94	3.1	7.4 g	95	3.2
3.5	105	1.7 g	105	3.5	3.3 g	105	3.5	5.1 g	110	3.7	6.0 g	110	3.7	6.9 g	110	3.7	8.7 g	110	3.7
4.0	120	1.9 g	120	4.0	3.8 g	125	4.2	5.8 g	125	4.2	6.8 g	125	4.2	7.8 g	125	4.2	9.9 g	125	4.2
4.5	135	2.1 g	135	4.5	4.3 g	140	4.7	6.5 g	140	4.7	7.7 g	140	4.7	8.8 g	140	4.7	11.1 g	145	4.8
5.0	150	2.4 g	150	5.0	4.8 g	155	5.2	7.3 g	155	5.2	8.5 g	155	5.2	9.8 g	155	5.2	12.4 g	160	5.3
5.5	165	2.6 g	165	5.5	5.3 g	170	5.7	8.0 g	170	5.7	9.4 g	170	5.7	10.8 g	175	5.8	13.6 g	175	5.8
6.0	180	2.8 g	180	6.0	5.7 g	185	6.2	8.7 g	185	6.2	10.2 g	185	6.2	11.7 g	190	6.3	14.9 g	190	6.3
6.5	195	3.1 g	195	6.5	6.2 g	200	6.7	9.4 g	200	6.7	11.1 g	205	6.8	12.7 g	205	6.8	16.1 g	205	6.8
7.0	210	3.3 g	210	7.0	6.7 g	215	7.2	10.2 g	215	7.2	11.9 g	220	7.3	13.7 g	220	7.3	17.3 g	220	7.3
7.5	225	3.5 g	230	7.7	7.2 g	230	7.7	10.9 g	235	7.8	12.8 g	235	7.8	14.7 g	235	7.8	18.6 g	240	8.0
8.0	240	3.8 g	245	8.2	7.7 g	245	8.2	11.6 g	250	8.3	13.6 g	250	8.3	15.7 g	250	8.3	19.8 g	255	8.5
8.5	255	4.0 g	260	8.7	8.1 g	260	8.7	12.3 g	265	8.8	14.5 g	265	8.8	16.6 g	265	8.8	21.0 g	270	9.0

\* 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. 1 level, unpacked scoop yields 4.7 grams powder and provides 22.33 kcal. 1 gram provides 4.75 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 breast milk is 20 kcal/fl oz.<sup>1</sup> Volumes of breast 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.

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



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**For questions, contact:**  
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