



Neocate[®] Syneo[®] Infant Concentration Chart

For Healthcare Professionals[§]

Contact Nutricia for more comprehensive volume options at each concentration
Refer to can label for full preparation instructions

1. Pour cooled, boiled water (below 104°F/40°C) into a sterilized container.
Nutricia recommends cooled, boiled water for preparation and the use of sterilized bottles.



2. Add required amount of Neocate Syneo Infant powder.



3. Cap bottle or container and shake until powder dissolves.

Approximate Household Measures*
Leveled and Unpacked

1 scoop [†]	4.7 g
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

Approximate Final Volume[†]

fl oz	mL
3.3	100
5.5	165
9.0	270
24.4	735
33.3	1000

Concentration

20 kcal/fl oz

Standard Concentration

0.66 kcal/mL
360 mOsm/kg
~90.0% Free Water
1.90 g PE/100 mL
1.4E+09 CFUs/100 mL

Volume of Water [†]		Amount of Neocate Powder [†]			Approximate Final Volume [†]	
fl oz	mL	scoops	grams	kcal	fl oz	mL
3.0	90	3	14.1	65.7	3.3	100
5.0	150	5	23.5	110	5.5	165
8.0	240	8	37.6	175	9.0	270
22.0	660	22	103	482	24.4	735
30.0	900	30	141	657	33.3	1000

22 kcal/fl oz

0.73 kcal/mL
390 mOsm/kg
~88.8% Free Water
2.12 g PE/100 mL
1.6E+09 CFUs/100 mL

fl oz	mL	scoops	grams	kcal	fl oz	mL
4.5	135	5	23.5	110	5.1	150
8.0	240	9	42.3	197	9.0	270
11.0	330	12	56.4	263	12.3	370
21.0	630	24	113	526	23.7	710
29.0	870	33	155	723	32.7	980

24 kcal/fl oz

0.80 kcal/mL
420 mOsm/kg
~87.8% Free Water
2.32 g PE/100 mL
1.7E+09 CFUs/100 mL

fl oz	mL	scoops	grams	kcal	fl oz	mL
6.5	195	8	37.6	175	7.4	220
9.0	270	11	51.7	241	10.2	305
13.0	390	16	75.2	350	14.8	445
21.0	630	26	122	569	23.9	715
28.0	840	35	165	767	31.9	955

26 kcal/fl oz

0.87 kcal/mL
460 mOsm/kg
~86.8% Free Water
2.51 g PE/100 mL
1.9E+09 CFUs/100 mL

fl oz	mL	scoops	grams	kcal	fl oz	mL
3.0	90	4	18.8	87.6	3.4	105
6.0	180	8	37.6	175	6.9	205
9.0	270	12	56.4	263	10.3	310
21.0	630	29	136	635	24.2	725
28.0	840	38	179	832	32.2	965

27 kcal/fl oz

0.90 kcal/mL
490 mOsm/kg
~86.3% Free Water
2.61 g PE/100 mL
1.9E+09 CFUs/100 mL

fl oz	mL	scoops	grams	kcal	fl oz	mL
5.0	150	7	32.9	153	5.8	175
6.5	195	9	42.3	197	7.5	225
10.0	300	14	65.8	307	11.6	345
21.0	630	30	141	657	24.3	730
28.0	840	40	188	876	32.4	975

28 kcal/fl oz

0.93 kcal/mL
500 mOsm/kg
~85.8% Free Water
2.70 g PE/100 mL
2.0E+09 CFUs/100 mL

fl oz	mL	scoops	grams	kcal	fl oz	mL
5.5	165	8	37.6	175	6.4	190
7.5	225	11	51.7	241	8.7	260
9.0	270	13	61.1	285	10.4	315
21.0	630	31	146	679	24.4	735
28.0	840	42	197	920	32.7	980

30 kcal/fl oz

1.00 kcal/mL
550 mOsm/kg
~84.8% Free Water
2.90 g PE/100 mL
2.1E+09 CFUs/100 mL

fl oz	mL	scoops	grams	kcal	fl oz	mL
2.5	75	4	18.8	87.6	2.9	90
5.0	150	8	37.6	175	5.9	175
7.0	210	11	51.7	241	8.2	245
20.0	600	32	150	701	23.6	705
27.0	810	44	207	964	31.9	955

*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 21.9 kcal. 1 gram provides 4.66 kcal and displaces ~0.71 mL water.

[‡]This chart assumes 1 fl oz = 30 mL. Water volumes are exact, but final volume of prepared formula may vary slightly.

[§]PE = Protein equivalent. Formulated to contain 1.0E+08 CFUs of *Bifidobacterium breve* M-16V per 1 gram of powder.

[¶]For patient safety, Nutricia directs caregivers requesting mixing instructions at non-standard dilutions to their healthcare teams.



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For questions, contact:
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neocate.com/for-healthcare-professionals/

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