



Neocate[®] Syneo[™] Infant Dilution 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
2. Add required amount of Neocate Syneo Infant powder
3. Cap bottle or container and shake until powder dissolves

Nutricia recommends cooled, boiled water for preparation and the use of sterilized bottles.



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
0.67 kcal/mL

Osmolality:
360 mOsm/kg
~90.0% Free Water
1.89 g PE/100 mL II
1.4E+09 CFUs/100 mL II

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	67.0	3.3	100
5.0	150	5	23.5	112	5.5	165
8.0	240	8	37.6	179	9.0	270
22.0	660	22	103	491	24.4	735
30.0	900	30	141	670	33.3	1000

22 kcal/fl oz
0.73 kcal/mL

390 mOsm/kg
~89.0% Free Water
2.08 g PE/100 mL II
1.5E+09 CFUs/100 mL II

fl oz	mL	scoops	grams	kcal	fl oz	mL
4.5	135	5	23.5	112	5.1	150
8.0	240	9	42.3	201	9.0	270
11.0	330	12	56.4	268	12.3	370
21.0	630	23	108	513	23.6	705
29.0	870	32	150	714	32.6	975

24 kcal/fl oz
0.80 kcal/mL

420 mOsm/kg
~88.0% Free Water
2.27 g PE/100 mL II
1.7E+09 CFUs/100 mL II

fl oz	mL	scoops	grams	kcal	fl oz	mL
6.5	195	8	37.6	179	7.4	220
9.0	270	11	51.7	246	10.2	305
13.0	390	16	75.2	357	14.8	445
21.0	630	26	122	580	23.9	715
28.0	840	34	160	759	31.8	955

26 kcal/fl oz
0.87 kcal/mL

460 mOsm/kg
~87.0% Free Water
2.46 g PE/100 mL II
1.8E+09 CFUs/100 mL II

fl oz	mL	scoops	grams	kcal	fl oz	mL
3.0	90	4	18.8	89.3	3.4	105
6.0	180	8	37.6	179	6.9	205
9.0	270	12	56.4	268	10.3	310
21.0	630	28	132	625	24.1	725
28.0	840	37	174	826	32.1	965

27 kcal/fl oz
0.90 kcal/mL

490 mOsm/kg
~86.5% Free Water
2.56 g PE/100 mL II
1.9E+09 CFUs/100 mL II

fl oz	mL	scoops	grams	kcal	fl oz	mL
5.0	150	7	32.9	156	5.8	175
6.5	195	9	42.3	201	7.5	225
10.0	300	14	65.8	313	11.6	345
21.0	630	29	136	647	24.2	725
28.0	840	39	183	871	32.3	970

28 kcal/fl oz
0.93 kcal/mL

500 mOsm/kg
~86.0% Free Water
2.65 g PE/100 mL II
2.0E+09 CFUs/100 mL II

fl oz	mL	scoops	grams	kcal	fl oz	mL
5.5	165	8	37.6	179	6.4	190
7.5	225	11	51.7	246	8.7	260
9.0	270	13	61.1	290	10.4	315
21.0	630	31	146	692	24.4	735
28.0	840	41	193	915	32.6	975

30 kcal/fl oz
1.00 kcal/mL

550 mOsm/kg
~85.1% Free Water
2.84 g PE/100 mL II
2.1E+09 CFUs/100 mL II

fl oz	mL	scoops	grams	kcal	fl oz	mL
2.5	75	4	18.8	89.3	2.9	90
5.0	150	8	37.6	179	5.9	175
7.0	210	11	51.7	246	8.2	245
20.0	600	32	150	714	23.6	705
27.0	810	43	202	960	31.8	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 22.33 kcal. 1 gram provides 4.75 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.



Last updated October 19, 2016

For questions, contact:
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www.neocate.com/syneo

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