

# Neocate® Syneo Junior, Unflavored\* Concentration Chart

Approximate Household Measures\*

For Healthcare Professionals<sup>§</sup>

Leveled and Unpacked



Contact Nutricia's Medical Affairs team for more comprehensive volume options at each concentration

Refer to can label for full 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 Junior powder.

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



1 scoop <sup>†</sup>	7.6 g
1 tsp (5 mL)	3.0 g
1 Tbsp (15 mL)	8.9 g
¼ cup (60 mL)	35.8 g
1/3 cup (80 mL)	47.7 g
½ cup (120 mL)	71.5 g
1 cup (240 mL)	143 g

## Concentration

### 30 kcal/fl oz

1.00 kcal/mL  
3.2 g PE/100 mL  
600 mOsm/kg  
~84.2% Free Water  
2.1E+06 CFUs/100 mL

Volume of Water		Amount of Neocate Powder <sup>†</sup>			Approximate Final Volume <sup>‡</sup>	
fl oz	mL	scoops	grams	kcal	fl oz	mL
4	120	4	30.4	143	4.7	140
7	210	7	53.2	250	8.3	250
10	300	10	76.0	356	11.9	355
21	630	21	160	749	24.9	750
28	840	28	213	998	33.2	995

### 32 kcal/fl oz

1.07 kcal/mL  
3.4 g PE/100 mL  
Est'd 640 mOsm/kg  
~83.2% Free Water  
2.3E+06 CFUs/100 mL

fl oz	mL	scoops	grams	kcal	fl oz	mL
7.5	225	8	60.8	285	9.0	270
10.5	315	11	83.6	392	12.6	375
15	450	16	122	570	18.0	540
20	600	22	167	784	24.1	725
29	870	31	236	1105	34.8	1045

### 34 kcal/fl oz

1.13 kcal/mL  
3.6 g PE/100 mL  
Est'd 680 mOsm/kg  
~82.1% Free Water  
2.4E+06 CFUs/100 mL

fl oz	mL	scoops	grams	kcal	fl oz	mL
3.5	105	4	30.4	143	4.2	125
7	210	8	60.8	285	8.5	255
14	420	16	122	570	17.0	510
20	600	23	175	820	24.3	730
27	810	31	236	1105	32.8	985

### 36 kcal/fl oz

1.20 kcal/mL  
3.8 g PE/100 mL  
Est'd 720 mOsm/kg  
~81.1% Free Water  
2.6E+06 CFUs/100 mL

fl oz	mL	scoops	grams	kcal	fl oz	mL
6.5	195	8	60.8	285	8.0	240
9	270	11	83.6	392	11.1	330
13	390	16	122	570	16.0	480
19	570	24	182	855	23.5	705
26	780	32	243	1141	32.0	960

### 38 kcal/fl oz

1.27 kcal/mL  
4.0 g PE/100 mL  
Est'd 760 mOsm/kg  
~80.0% Free Water  
2.7E+06 CFUs/100 mL

fl oz	mL	scoops	grams	kcal	fl oz	mL
8.5	255	11	83.6	392	10.6	315
11.5	345	15	114	535	14.3	430
14.5	435	19	144	677	18.1	540
20	600	27	205	962	25.1	750
26	780	35	266	1248	32.6	975

### 40 kcal/fl oz

1.33 kcal/mL  
4.2 g PE/100 mL  
Est'd 800 mOsm/kg  
~79.0% Free Water  
2.8E+06 CFUs/100 mL

fl oz	mL	scoops	grams	kcal	fl oz	mL
5	150	7	53.2	250	6.3	190
10	300	14	106	499	12.6	380
15	450	21	160	749	18.9	570
20	600	28	213	998	25.2	755
25	750	36	274	1283	31.7	950

### 45 kcal/fl oz

1.50 kcal/mL  
4.7 g PE/100 mL  
Est'd 900 mOsm/kg  
~76.3% Free Water  
3.2E+06 CFUs/100 mL

fl oz	mL	scoops	grams	kcal	fl oz	mL
8	240	13	98.8	463	10.4	315
10.5	315	17	129	606	13.7	410
13	390	22	167	784	17.1	515
19	570	31	236	1105	24.8	745
24	720	40	304	1426	31.5	945

\*Household measures are based on standard US, dry household measures. All measures are level and unpacked.

Last updated: July 10, 2024

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 7.6 grams powder and provides 35.6 kcal. 1 gram provides 4.69 kcal and displaces ~0.74 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 6.87E+07 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.

★This chart does not apply to Neocate Junior, Unflavored *without* prebiotics due to differences in displacement, energy density and scoop fill.

For questions, contact:  
NutritionServices@Nutricia.com or  
(800) 365-7354  
neocate.com/for-healthcare-professionals/



© 2024 Nutricia North America