

Neocate® Junior, Unflavored Mixing Chart

For Healthcare Professionals[§]

Approximate Household Measures*
Leveled and Unpacked



Approx. Dilution

Contact Nutricia for more comprehensive volume options at each concentration

Refer to can label for full preparation instructions

1) Wash hands thoroughly and clean the preparation area. 2) Pour the required amount of water into container. 3) Add required amount of powder to water. 4) Stir, or cover and shake, until the powder has dissolved.



1 scoop [†]	7.3 g
1 tsp (5 mL)	2.5 g
1 Tbsp (15 mL)	7.5 g
¼ cup (60 mL)	30.0 g
½ cup (80 mL)	40.0 g
⅔ cup (120 mL)	60.0 g
1 cup (240 mL)	120 g

Standard Mixing 1 kcal/mL	Water Volume [‡]		Neocate [†]			Approx. Final Volume [‡]	
	fl oz	mL	scoops	grams	kcal	fl oz	mL
3.1 g PE /100 mL 600 mOsm/kg H ₂ O ~86% Free Water	4.0	120	4	29.2	140	4.7	140
	7.0	210	7	51.1	245	8.2	245
	10.0	300	10	73.0	350	11.7	350
	21.0	630	21	153	734	24.5	735
	28.0	840	28	204	979	32.7	980
28 kcal/fl oz 0.93 kcal/mL 2.9 g PE /100 mL Est'd 560 mOsm/kg H ₂ O ~87% Free Water	7.5	225	7	51.1	245	8.7	260
	12.0	360	11	80.3	385	13.8	415
	15.0	450	14	102	490	17.4	520
	21.5	645	20	146	699	24.9	745
	30.0	900	28	204	979	34.7	1040
27 kcal/fl oz 0.90 kcal/mL 2.8 g PE /100 mL Est'd 540 mOsm/kg H ₂ O ~87% Free Water	4.5	135	4	29.2	140	5.2	155
	10.0	300	9	65.7	315	11.5	345
	15.5	465	14	102	490	17.9	535
	20.0	600	18	131	629	23.0	690
	30.0	900	27	197	944	34.5	1035
26 kcal/fl oz 0.87 kcal/mL 2.7 g PE /100 mL Est'd 520 mOsm/kg H ₂ O ~88% Free Water	3.5	105	3	21.9	105	4.0	120
	7.0	210	6	43.8	210	8.0	240
	10.5	315	9	65.7	315	12.0	360
	21.0	630	18	131	629	24.0	720
	28.0	840	24	175	839	32.0	960
24 kcal/fl oz 0.80 kcal/mL 2.5 g PE /100 mL Est'd 480 mOsm/kg H ₂ O ~89% Free Water	6.5	195	5	36.5	175	7.3	220
	9.0	270	7	51.1	245	10.2	305
	14.0	420	11	80.3	385	15.8	475
	22.0	660	17	124	594	24.9	745
	28.0	840	22	161	769	31.7	950
22 kcal/fl oz 0.73 kcal/mL 2.3 g PE /100 mL Est'd 440 mOsm/kg H ₂ O ~89% Free Water	7	210	5	36.5	175	7.8	235
	10.0	300	7	51.1	245	11.2	335
	14.0	420	10	73.0	350	15.7	470
	21.0	630	15	110	525	23.5	705
	30.0	900	21	153	734	33.5	1005
20 kcal/fl oz 0.67 kcal/mL 2.1 g PE /100 mL Est'd 400 mOsm/kg H ₂ O ~90% Free Water	8.0	240	5	36.5	175	8.8	265
	11.0	330	7	51.1	245	12.2	365
	16.0	480	10	73.0	350	17.7	530
	22.0	660	14	102	490	24.4	730
	30.0	900	19	139	664	33.2	995

Last Updated March 3, 2026

*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.

†Mixing is more accurate using weighed powder vs. scoops. Scoops should be level and unpacked. 1 level, unpacked scoop yields 7.3 grams powder and provides 35.0 kcal. 1 gram provides 4.79 kcal and displaces ~0.69 mL water.

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

||PE = Approximate protein equivalent.

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



For questions, contact:
NutritionServices@Nutricia.com
or (800) 365-7354

neocate.com/for-healthcare-professionals/

Neocate® Junior, Unflavored Mixing Chart

For Healthcare Professionals[§]

Approximate Household Measures*
Leveled and Unpacked



Approx. Concentration

Contact Nutricia for more comprehensive volume options at each concentration

Refer to can label for full preparation instructions

1) Wash hands thoroughly and clean the preparation area. 2) Pour the required amount of water into container. 3) Add required amount of powder to water. 4) Stir, or cover and shake, until the powder has dissolved.



1 scoop [†]	7.3 g
1 tsp (5 mL)	2.5 g
1 Tbsp (15 mL)	7.5 g
¼ cup (60 mL)	30.0 g
½ cup (80 mL)	40.0 g
¾ cup (120 mL)	60.0 g
1 cup (240 mL)	120 g

Standard Mixing 1 kcal/mL	Water Volume [‡]		Neocate [†]			Approx. Final Volume [‡]	
	fl oz	mL	scoops	grams	kcal	fl oz	mL
3.1 g PE /100 mL 600 mOsm/kg H ₂ O ~86% Free Water	4.0	120	4	29.2	140	4.7	140
	7.0	210	7	51.1	245	8.2	245
	10.0	300	10	73.0	350	11.7	350
	21.0	630	21	153	734	24.5	735
	28.0	840	28	204	979	32.7	980
32 kcal/fl oz	fl oz	mL	scoops	grams	kcal	fl oz	mL
1.07 kcal/mL 3.3 g PE /100 mL Est'd 640 mOsm/kg H ₂ O ~85% Free Water	5.5	165	6	43.8	210	6.5	195
	6.5	195	7	51.1	245	7.7	230
	12.0	360	13	94.9	455	14.2	425
	22.0	660	24	175	839	26.0	780
	27.0	810	29	212	1014	31.9	955
34 kcal/fl oz	fl oz	mL	scoops	grams	kcal	fl oz	mL
1.13 kcal/mL 3.5 g PE /100 mL Est'd 680 mOsm/kg H ₂ O ~84% Free Water	6.0	180	7	51.1	245	7.2	215
	9.5	285	11	80.3	385	11.3	340
	13.0	390	15	110	525	15.5	465
	20.0	600	23	168	804	23.9	715
	26.0	780	30	219	1049	31.0	930
36 kcal/fl oz	fl oz	mL	scoops	grams	kcal	fl oz	mL
1.20 kcal/mL 3.7 g PE /100 mL Est'd 720 mOsm/kg H ₂ O ~83% Free Water	4.0	120	5	36.5	175	4.8	145
	6.5	195	8	58.4	280	7.8	235
	10.5	315	13	94.9	455	12.7	380
	20.0	600	25	183	874	24.2	725
	26.5	795	33	241	1154	32.0	960
38 kcal/fl oz	fl oz	mL	scoops	grams	kcal	fl oz	mL
1.27 kcal/mL 3.9 g PE /100 mL Est'd 760 mOsm/kg H ₂ O ~82% Free Water	3.0	90	4	29.2	140	3.7	110
	6.0	180	8	58.4	280	7.3	220
	9.0	270	12	87.6	420	11.0	330
	19.0	570	25	183	874	23.2	695
	27.0	810	36	263	1259	33.0	990
40 kcal/fl oz	fl oz	mL	scoops	grams	kcal	fl oz	mL
1.33 kcal/mL 4.1 g PE /100 mL Est'd 800 mOsm/kg H ₂ O ~81% Free Water	3.5	105	5	36.5	175	4.3	130
	7.0	210	10	73.0	350	8.7	260
	12.0	360	17	124	594	14.9	445
	19.0	570	27	197	944	23.5	705
	26.0	780	37	270	1294	32.2	965
45 kcal/fl oz	fl oz	mL	scoops	grams	kcal	fl oz	mL
1.50 kcal/mL 4.6 g PE /100 mL Est'd 900 mOsm/kg H ₂ O ~79% Free Water	5.5	165	9	65.7	315	7.0	210
	8.5	255	14	102	490	10.9	325
	11.0	330	18	131	629	14.0	420
	20.0	600	33	241	1154	25.5	765
	25.0	750	41	299	1434	31.9	955

Last Updated March 3, 2026

*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.

†Mixing is more accurate using weighed powder vs. scoops. Scoops should be level and unpacked. 1 level, unpacked scoop yields 7.3 grams powder and provides 35.0 kcal. 1 gram provides 4.79 kcal and displaces ~0.69 mL water.

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

||PE = Approximate protein equivalent.

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



For questions, contact:
NutritionServices@Nutricia.com
or (800) 365-7354

neocate.com/for-healthcare-professionals/