

Neocate® Junior, Vanilla & Strawberry Concentration Chart

Approximate Household Measures*



For Healthcare Professionals[§]

Contact Nutricia's Medical Affairs team for more comprehensive volume options at each concentration
Refer to can label for full instructions

1. Measure the required amount of warm or cool water into a container.
Nutricia recommends cooled, boiled water for preparation and the use of sterilized bottles.



2. Add required amount of Neocate Junior powder.
3. Stir, or cover the container and shake until powder dissolves.



Leveled and Unpacked

1 scoop [†]	7.3 g
1 tsp (5 mL)	2.5 g
1 Tbsp (15 mL)	7.6 g
¼ cup (60 mL)	30.3 g
⅓ cup (80 mL)	40.3 g
½ cup (120 mL)	60.5 g
1 cup (240 mL)	121 g

Concentration 30 kcal/fl oz	Volume of Water		Amount of Neocate Powder [†]			Approximate Final Volume [‡]	
	fl oz	mL	scoops	grams	kcal	fl oz	mL
1.00 kcal/mL 3.1 g PE/100 mL Osmolalities: Vanilla: 620 mOsm/kg Strawberry: 610 mOsm/kg ~85.2% Free Water	4	120	4	29.2	138	4.7	140
	7	210	7	51.1	241	8.2	245
	10	300	10	73.0	345	11.7	350
	16	480	16	117	551	18.7	560
	21	630	21	153	724	24.6	735
	28	840	29	212	999	32.9	990
32 kcal/fl oz 1.07 kcal/mL 3.3 g PE/100 mL Est'd 655 mOsm/kg ~84.2% Free Water	4.5	135	5	36.5	172	5.4	160
	9	270	10	73.0	345	10.7	320
	13.5	405	15	110	517	16.1	480
	21	630	23	168	792	24.9	750
	27	810	30	219	1034	32.1	965
34 kcal/fl oz 1.13 kcal/mL 3.6 g PE/100 mL Est'd 695 mOsm/kg ~83.2% Free Water	2.5	75	3	21.9	103	3.0	90
	7.5	225	9	65.7	310	9.0	270
	10	300	12	87.6	413	12.0	360
	20	600	24	175	827	24.1	725
	28	840	33	241	1137	33.6	1010
36 kcal/fl oz 1.20 kcal/mL 3.8 g PE/100 mL Est'd 740 mOsm/kg ~82.2% Free Water	5.5	165	7	51.1	241	6.7	200
	9.5	285	12	87.6	413	11.5	345
	15	450	19	139	655	18.2	545
	22	660	28	204	965	26.8	805
	27	810	34	248	1172	32.8	985
38 kcal/fl oz 1.27 kcal/mL 4.0 g PE/100 mL Est'd 780 mOsm/kg ~81.2% Free Water	9.5	285	13	94.9	448	11.7	350
	12.5	375	17	124	586	15.4	460
	17	510	23	168	792	20.9	630
	20	600	27	197	930	24.6	740
	26	780	35	256	1206	32.0	960
40 kcal/fl oz 1.33 kcal/mL 4.2 g PE/100 mL Est'd 820 mOsm/kg ~80.2% Free Water	5.5	165	8	58.4	276	6.9	205
	9	270	13	94.9	448	11.2	335
	20	600	29	212	999	24.9	750
	26	780	38	277	1309	32.5	975
45 kcal/fl oz 1.50 kcal/mL 4.7 g PE/100 mL Est'd 925 mOsm/kg ~77.8% Free Water	3	90	5	36.5	172	3.9	115
	6	180	10	73.0	345	7.7	230
	12	360	20	146	689	15.4	460
	19	570	32	234	1103	24.5	735
	25	750	42	307	1447	32.2	965

*Household measures are based on standard US, dry household measures. All measures are level and unpacked. These values are approximations only and have been provided for convenience: results can vary significantly based on the individual, device, and method. Nutricia North America recommends using a scale for greatest accuracy.

Last Updated July 24, 2024

The scoops Nutricia provides are validated for use with Nutricia formulas, so are preferable to household measures.
[†]Dilutions are more accurate using weighed powder vs. scoops. Scoops should be level and unpacked. 1 level, unpacked scoop yields 7.3 grams powder and provides 34.5 kcal. 1 gram provides 4.72 kcal and displaces ~0.70 mL water.



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

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

|| Derived from average of 2 osmolalities at standard dilution: assumes direct linear relationship with formula concentration.

§For patient safety, Nutricia directs caregivers who request mixing instructions at non-standard dilutions to their healthcare team for guidance.

Neocate® is a family of hypoallergenic, amino acid-based medical foods. Neocate is intended for use under medical supervision.

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Neocate® Junior, Chocolate Concentration Chart

Approximate Household Measures*

Leveled and Unpacked

1 scoop [†]	7.5 g
1 tsp (5 mL)	2.6 g
1 Tbsp (15 mL)	7.8 g
¼ cup (60 mL)	31.3 g
½ cup (80 mL)	41.7 g
¾ cup (120 mL)	62.5 g
1 cup (240 mL)	125 g



For Healthcare Professionals[§]

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

Refer to can label for full instructions

1. Measure the required amount of warm or cool water into a container.
Nutricia recommends cooled, boiled water for preparation and the use of sterilized bottles.



2. Add required amount of Neocate Junior powder.
3. Stir, or cover the container and shake until powder dissolves.



Concentration	Volume of Water		Amount of Neocate Powder [†]			Approximate Final Volume [‡]	
	fl oz	mL	scoops	grams	kcal	fl oz	mL
30 kcal/fl oz 1.00 kcal/mL 3.1 g PE/100 mL Osmolality: 660 mOsm/kg ~84.8% Free Water	4	120	4	30.0	138	4.7	140
	7	210	7	52.5	242	8.3	245
	10	300	10	75.0	345	11.8	355
	21	630	21	158	725	24.9	740
	28	840	29	218	1001	33.1	990
32 kcal/fl oz 1.07 kcal/mL 3.3 g PE/100 mL Est'd 705 mOsm/kg ~83.8% Free Water	4.5	135	5	37.5	173	5.4	160
	9	270	10	75.0	345	10.8	325
	12.5	375	14	105	483	15.0	450
	20	600	22	165	759	23.9	715
	27	810	30	225	1035	32.3	970
34 kcal/fl oz 1.13 kcal/mL 3.5 g PE/100 mL Est'd 750 mOsm/kg ~82.8% Free Water	2.5	75	3	22.5	104	3.0	90
	7.5	225	9	67.5	311	9.1	270
	10	300	12	90.0	414	12.1	365
	20	600	24	180	828	24.2	725
	27	810	32	240	1104	32.6	980
36 kcal/fl oz 1.20 kcal/mL 3.7 g PE/100 mL Est'd 790 mOsm/kg ~81.7% Free Water	5.5	165	7	52.5	242	6.7	200
	7	210	9	67.5	311	8.6	255
	11	330	14	105	483	13.5	405
	21	630	27	203	932	25.7	770
	28	840	36	270	1242	34.3	1030
38 kcal/fl oz 1.27 kcal/mL 3.9 g PE/100 mL Est'd 835 mOsm/kg ~80.7% Free Water	8	240	11	82.5	380	9.9	300
	11	330	15	113	518	13.6	410
	16	480	22	165	759	19.9	595
	20	600	27	203	932	24.7	740
	27	810	37	278	1277	33.5	1005
40 kcal/fl oz 1.33 kcal/mL 4.1 g PE/100 mL Est'd 880 mOsm/kg ~79.7% Free Water	5.5	165	8	60.0	276	6.9	205
	7.5	225	11	82.5	380	9.4	285
	13	390	19	143	656	16.3	490
	20	600	29	218	1001	25.1	750
	26	780	38	285	1311	32.7	980
45 kcal/fl oz 1.50 kcal/mL 4.6 g PE/100 mL Est'd 990 mOsm/kg ~77.2% Free Water	6.5	195	11	82.5	380	8.4	255
	9.5	285	16	120	552	12.3	370
	16	480	27	203	932	20.7	620
	20	600	34	255	1173	26.0	780
	25	750	42	315	1449	32.4	970

*Household measures are based on standard US, dry household measures. All measures are level and unpacked. These values are approximations only and have been provided for convenience: results can vary significantly based on the individual, device, and method. Nutricia North America recommends using a scale for greatest accuracy.

The scoops Nutricia provides are validated for use with Nutricia formulas, so are preferable to household measures.

†Dilutions are more accurate using weighed powder vs. scoops. Scoops should be level and unpacked. 1 level, unpacked scoop yields 7.5 grams powder and provides 34.5 kcal. 1 gram provides 4.60 kcal and displaces ~0.70 mL water.

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

§For patient safety, Nutricia directs caregivers who request mixing instructions at non-standard dilutions to their healthcare team for guidance.

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Last Updated July 24, 2024



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 or (800) 365-7354
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Neocate® Junior, Unflavored Concentration Chart*

Approximate Household Measures*

Leveled and Unpacked

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

For Healthcare Professionals[§]

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

Refer to can label for full instructions

1. Measure the required

amount of warm
or cool water into
a container.



2. Add prescribed amount of

Neocate Junior to the water.

3. Cover and shake or stir until
the powder has dissolved.



Concentration	Volume of Water		Amount of Neocate Powder [†]			Approximate Final Volume [‡]	
	fl oz	mL	scoops	grams	kcal	fl oz	mL
30 kcal/fl oz 1.00 kcal/mL 3.1 g PE/100 mL Osmolality: 600 mOsm/kg ~85.6% Free Water	4	120	4	29.2	140	4.7	140
	7	210	7	51.1	245	8.2	245
	10	300	10	73.0	350	11.7	350
	21	630	21	153	734	24.5	735
	28	840	28	204	979	32.7	980
32 kcal/fl oz 1.07 kcal/mL 3.3 g PE/100 mL Est'd 640 mOsm/kg ~84.6% Free Water	5.5	165	6	43.8	210	6.5	195
	6.5	195	7	51.1	245	7.7	230
	11	330	12	87.6	420	13.0	390
	22	660	24	175	839	26.0	780
	27	810	29	212	1014	31.9	955
34 kcal/fl oz 1.13 kcal/mL 3.5 g PE/100 mL Est'd 680 mOsm/kg ~83.7% Free Water	6	180	7	51.1	245	7.2	215
	9.5	285	11	80.3	385	11.3	340
	13	390	15	110	525	15.5	465
	20	600	23	168	804	23.9	715
	26	780	30	219	1049	31.0	930
36 kcal/fl oz 1.20 kcal/mL 3.7 g PE/100 mL Est'd 720 mOsm/kg ~82.7% Free Water	4	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	600	25	183	874	24.2	725
	26	780	32	234	1119	31.4	940
38 kcal/fl oz 1.27 kcal/mL 3.9 g PE/100 mL Est'd 760 mOsm/kg ~81.8% Free Water	3	90	4	29.2	140	3.7	110
	6	180	8	58.4	280	7.3	220
	9	270	12	87.6	420	11.0	330
	19	570	25	183	874	23.2	695
	27	810	36	263	1259	33.0	990
40 kcal/fl oz 1.33 kcal/mL 4.1 g PE/100 mL Est'd 800 mOsm/kg ~80.8% Free Water	3.5	105	5	36.5	175	4.3	130
	7	210	10	73.0	350	8.7	260
	12	360	17	124	594	14.9	445
	19	570	27	197	944	23.5	705
	26	780	37	270	1294	32.2	965
45 kcal/fl oz 1.50 kcal/mL 4.6 g PE/100 mL Est'd 900 mOsm/kg ~78.4% Free Water	5.5	165	9	65.7	315	7.0	210
	8.5	255	14	102	490	10.9	325
	11	330	18	131	629	14.0	420
	19	570	31	226	1084	24.2	725
	25	750	41	299	1434	31.9	955

*Household measures are based on standard US, dry household measures. All measures are level and unpacked. These values are approximations only and have been provided for convenience: results can vary significantly based on the individual, device, and method. Nutricia North America recommends using a scale for greatest accuracy.

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‡Dilutions are 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.

§For patient safety, Nutricia directs caregivers who request mixing instructions at non-standard dilutions to their healthcare team for guidance.

Neocate® is a family of hypoallergenic, amino acid-based medical foods. Neocate is intended for use under medical supervision.

*Does not apply to the version with prebiotics due to differences in displacement and scoop fill

Last Updated July 29, 2024

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