

Neocate® Junior, Vanilla & Strawberry Dilution 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
½ cup (80 mL)	40.3 g
¾ cup (120 mL)	60.5 g
1 cup (240 mL)	121 g

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 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
28 kcal/fl oz 0.93 kcal/mL 2.9 g PE/100 mL Est'd 575 mOsm/kg ~86.2% Free Water	7.5	225	7	51.1	241	8.7	260
	10.5	315	10	73.0	345	12.2	365
	15	450	14	102	482	17.4	520
	21	630	20	146	689	24.4	730
	29	870	27	197	930	33.6	1010
	27 kcal/fl oz 0.90 kcal/mL 2.8 g PE/100 mL Est'd 555 mOsm/kg ~86.7% Free Water	5.5	165	5	36.5	172	6.4
10		300	9	65.7	310	11.5	345
19		570	17	124	586	21.9	655
21		630	19	139	655	24.2	725
28		840	25	183	861	32.3	970
26 kcal/fl oz 0.87 kcal/mL 2.7 g PE/100 mL Est'd 535 mOsm/kg ~87.1% Free Water		3.5	105	3	21.9	103	4.0
	7	210	6	43.8	207	8.0	240
	10.5	315	9	65.7	310	12.0	360
	21	630	18	131	620	24.1	720
	28	840	24	175	827	32.1	965
	24 kcal/fl oz 0.80 kcal/mL 2.5 g PE/100 mL Est'd 490 mOsm/kg ~88.1% Free Water	5	150	4	29.2	138	5.7
7.5		225	6	43.8	207	8.5	255
10		300	8	58.4	276	11.4	340
20		600	16	117	551	22.7	680
28		840	22	161	758	31.7	950
22 kcal/fl oz 0.73 kcal/mL 2.3 g PE/100 mL Est'd 450 mOsm/kg ~89.1% Free Water		5.5	165	4	29.2	138	6.2
	8.5	255	6	43.8	207	9.5	285
	14	420	10	73.0	345	15.7	470
	22	660	16	117	551	24.7	740
	29	870	21	153	724	32.6	975
	20 kcal/fl oz 0.7 g PE/100 mL Est'd 2 mOsm/kg ~410.0% Free Water 90.11 kcal/mL	11	330	7	51.1	241	12.2
14		420	9	65.7	310	15.5	465
22		660	14	102	482	24.4	730
30		900	19	139	655	33.2	995

*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.

†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.

‡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.

Last Updated July 24, 2024



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

Neocate® Junior, Chocolate Dilution Chart

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.



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
⅓ cup (80 mL)	41.7 g
½ cup (120 mL)	62.5 g
1 cup (240 mL)	125 g

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
28 kcal/fl oz 0.93 kcal/mL 2.9 g PE/100 mL Est'd 615 mOsm/kg ~85.8% Free Water	7.5	225	7	52.5	242	8.7	260
	9.5	285	9	67.5	311	11.1	330
	15	450	14	105	483	17.5	525
	21	630	20	150	690	24.5	735
	30	900	28	210	966	34.9	1045
27 kcal/fl oz 0.90 kcal/mL 2.8 g PE/100 mL Est'd 595 mOsm/kg ~86.3% Free Water	5.5	165	5	37.5	173	6.4	190
	10	300	9	67.5	311	11.6	345
	15.5	465	14	105	483	18.0	540
	21	630	19	143	656	24.3	730
	29	870	26	195	897	33.6	1005
26 kcal/fl oz 0.87 kcal/mL 2.7 g PE/100 mL Est'd 570 mOsm/kg ~86.8% Free Water	3.5	105	3	22.5	104	4.0	120
	7	210	6	45.0	207	8.1	240
	10.5	315	9	67.5	311	12.1	360
	21	630	18	135	621	24.2	725
	28	840	24	180	828	32.2	965
24 kcal/fl oz 0.80 kcal/mL 2.5 g PE/100 mL Est'd 530 mOsm/kg ~87.8% Free Water	5	150	4	30.0	138	5.7	170
	7.5	225	6	45.0	207	8.6	255
	15	450	12	90.0	414	17.1	515
	20	600	16	120	552	22.8	685
	28	840	22	165	759	31.9	955
22 kcal/fl oz 0.73 kcal/mL 2.3 g PE/100 mL Est'd 485 mOsm/kg ~88.8% Free Water	5.5	165	4	30.0	138	6.2	185
	8.5	255	6	45.0	207	9.6	285
	14	420	10	75.0	345	15.8	475
	21	630	15	113	518	23.6	710
	29	870	21	158	725	32.7	980
20 kcal/fl oz 0.67 kcal/mL 2.1 g PE/100 mL Est'd 440 mOsm/kg ~89.9% Free Water	11	330	7	52.5	242	12.2	365
	14	420	9	67.5	311	15.6	465
	17	510	11	82.5	380	18.9	570
	20	600	13	97.5	449	22.3	670
	29	870	19	143	656	32.3	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.

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Last Updated July 24, 2024



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 or (800) 365-7354
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Neocate® Junior, Unflavored Dilution 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.



2. Add prescribed amount of Neocate Junior to the water.



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

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

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 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
Concentration 28 kcal/fl oz	fl oz	mL	scoops	grams	kcal	fl oz	mL
	6.5	195	6	43.8	210	7.5	225
0.93 kcal/mL 2.9 g PE/100 mL Est'd 560 mOsm/kg ~86.6% Free Water	12	360	11	80.3	385	13.8	415
	14	420	13	94.9	455	16.2	485
	23	690	21	153	734	26.5	795
	28	840	26	190	909	32.4	970
Concentration 27 kcal/fl oz	fl oz	mL	scoops	grams	kcal	fl oz	mL
	4.5	135	4	29.2	140	5.2	155
	10	300	9	65.7	315	11.5	345
	20	600	18	131	629	23.0	690
	28	840	25	183	874	32.2	965
Concentration 26 kcal/fl oz	fl oz	mL	scoops	grams	kcal	fl oz	mL
	3.5	105	3	21.9	105	4.0	120
	10.5	315	9	65.7	315	12.0	360
	21	630	18	131	629	24.0	720
	28	840	24	175	839	32.0	960
Concentration 24 kcal/fl oz	fl oz	mL	scoops	grams	kcal	fl oz	mL
	6.5	195	5	36.5	175	7.3	220
	14	420	11	80.3	385	15.8	475
	22	660	17	124	594	24.9	745
	28	840	22	161	769	31.7	950
Concentration 22 kcal/fl oz	fl oz	mL	scoops	grams	kcal	fl oz	mL
	7	210	5	36.5	175	7.8	235
	14	420	10	73.0	350	15.7	470
	21	630	15	110	525	23.5	705
	30	900	21	153	734	33.5	1005
Concentration 20 kcal/fl oz	fl oz	mL	scoops	grams	kcal	fl oz	mL
	8	240	5	36.5	175	8.8	265
	16	480	10	73.0	350	17.7	530
	22	660	14	102	490	24.4	730
	30	900	19	139	664	33.2	995

*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 7.3 grams powder and provides 35.0 kcal. 1 gram provides 4.79 kcal and displaces ~0.69 mL water.

§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

For questions, contact:
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or (800) 365-7354
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