

# Neocate® Junior, Vanilla & Strawberry Mixing Chart

For Healthcare Professionals<sup>5</sup>

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 scoop <sup>†</sup>	7.3 g
	Water Volume <sup>‡</sup>		Neocate <sup>†</sup>			Approx. Final Volume <sup>‡</sup>	
	fl oz	mL	scoops	grams	kcal	fl oz	mL
<b>Standard Mixing</b> <b>1 kcal/mL</b>  3.2 g PE <sup>¶</sup> /100 mL 610 mOsm/kg H <sub>2</sub> O (Strawberry) 620 mOsm/kg H <sub>2</sub> O (Vanilla) ~86% Free Water	4.0	120	4	29.2	137	4.7	140
	7.0	210	7	51.1	239	8.2	245
	10.0	300	10	73.0	342	11.7	350
	21.0	630	21	153	717	24.6	735
	29.0	870	29	212	991	33.9	1020
<b>28 kcal/fl oz</b> 0.93 kcal/mL 3.0 g PE <sup>¶</sup> /100 mL Est'd 575 mOsm <sup>¶¶</sup> /kg H <sub>2</sub> O ~86% Free Water	7.5	225	7	51.1	239	8.7	260
	9.5	285	9	65.7	307	11.0	330
	15.0	450	14	102	478	17.4	520
	21.5	645	20	146	683	24.9	745
	30.0	900	29	212	991	34.9	1050
<b>27 kcal/fl oz</b> 0.90 kcal/mL 2.8 g PE <sup>¶</sup> /100 mL Est'd 555 mOsm <sup>¶¶</sup> /kg H <sub>2</sub> O ~87% Free Water	5.5	165	5	36.5	171	6.4	190
	10.0	300	9	65.7	307	11.5	345
	15.5	465	14	102	478	17.9	535
	21.0	630	19	139	649	24.2	725
	30.0	900	27	197	922	34.6	1040
<b>26 kcal/fl oz</b> 0.87 kcal/mL 2.7 g PE <sup>¶</sup> /100 mL Est'd 535 mOsm <sup>¶¶</sup> /kg H <sub>2</sub> O ~87% Free Water	3.5	105	3	21.9	102	4.0	120
	7.0	210	6	43.8	205	8.0	240
	10.5	315	9	65.7	307	12.0	360
	21.0	630	18	131	615	24.1	720
	28.0	840	24	175	820	32.1	965
<b>24 kcal/fl oz</b> 0.80 kcal/mL 2.5 g PE <sup>¶</sup> /100 mL Est'd 490 mOsm <sup>¶¶</sup> /kg H <sub>2</sub> O ~88% Free Water	5.0	150	4	29.2	137	5.7	170
	7.5	225	6	43.8	205	8.5	255
	15.0	450	12	87.6	410	17.0	510
	20.0	600	16	117	547	22.7	680
	28.0	840	22	161	752	31.7	950
<b>22 kcal/fl oz</b> 0.73 kcal/mL 2.3 g PE <sup>¶</sup> /100 mL Est'd 450 mOsm <sup>¶¶</sup> /kg H <sub>2</sub> O ~89% Free Water	5.5	165	4	29.2	137	6.2	185
	8.5	255	6	43.8	205	9.5	285
	14.0	420	10	73.0	342	15.7	470
	21.0	630	15	110	512	23.6	705
	29.0	870	21	153	717	32.6	975
<b>20 kcal/fl oz</b> 0.67 kcal/mL 2.1 g PE <sup>¶</sup> /100 mL Est'd 410 mOsm <sup>¶¶</sup> /kg H <sub>2</sub> O ~90% Free Water	11.0	330	7	51.1	239	12.2	365
	14.0	420	9	65.7	307	15.5	465
	17.0	510	11	80.3	376	18.9	565
	20.0	600	13	94.9	444	22.2	665
	30.0	900	20	146	683	33.4	1000



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.

\*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.  
<sup>†</sup>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 34.2 kcal. 1 gram provides 4.68 kcal and displaces ~0.70 mL water.  
<sup>‡</sup>This chart assumes 1 fl oz = 30 mL. Water volumes are exact, but final volume of prepared formula may vary slightly.  
<sup>¶</sup>PE = Approximate protein equivalent.  
<sup>¶¶</sup>Derived from average of 2 osmolalities at standard dilution: assumes direct linear relationship with formula concentration.  
<sup>5</sup>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/](https://neocate.com/for-healthcare-professionals/)

# Neocate® Junior, Vanilla & Strawberry Mixing Chart

For Healthcare Professionals<sup>§</sup>

Approximate Household Measures\*  
Leveled and Unpacked

 <b>Approx. Concentration</b>	Contact Nutricia for more comprehensive volume options at each concentration Refer to can label for full preparation instructions					1 scoop <sup>†</sup> 7.3 g	
	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 tsp (5 mL)	2.5 g
	Water Volume <sup>‡</sup>		Neocate <sup>†</sup>			Approx. Final Volume <sup>‡</sup>	
	fl oz	mL	scoops	grams	kcal	fl oz	mL
<b>Standard Mixing</b> <b>1 kcal/mL</b>  3.2 g PE <sup>¶</sup> /100 mL 610 mOsm/kg H <sub>2</sub> O (Strawberry) 620 mOsm/kg H <sub>2</sub> O (Vanilla) ~86% Free Water	4.0	120	4	29.2	137	4.7	140
	7.0	210	7	51.1	239	8.2	245
	10.0	300	10	73.0	342	11.7	350
	21.0	630	21	153	717	24.6	735
	29.0	870	29	212	991	33.9	1020
<b>32 kcal/fl oz</b>  1.07 kcal/mL 3.4 g PE <sup>¶</sup> /100 mL Est'd 655 mOsm <sup>¶¶</sup> /kg H <sub>2</sub> O ~84% Free Water	4.5	135	5	36.5	171	5.4	160
	9.0	270	10	73.0	342	10.7	320
	12.0	360	13	94.9	444	14.2	425
	20.0	600	22	161	752	23.7	710
	27.0	810	30	219	1025	32.1	965
<b>34 kcal/fl oz</b>  1.13 kcal/mL 3.6 g PE <sup>¶</sup> /100 mL Est'd 695 mOsm <sup>¶¶</sup> /kg H <sub>2</sub> O ~83% Free Water	2.5	75	3	21.9	102	3.0	90
	7.5	225	9	65.7	307	9.0	270
	10.0	300	12	87.6	410	12.0	360
	20.0	600	24	175	820	24.1	725
	27.0	810	32	234	1093	32.5	975
<b>36 kcal/fl oz</b>  1.20 kcal/mL 3.8 g PE <sup>¶</sup> /100 mL Est'd 740 mOsm <sup>¶¶</sup> /kg H <sub>2</sub> O ~82% Free Water	5.5	165	7	51.1	239	6.7	200
	6.5	195	8	58.4	273	7.9	235
	11.0	330	14	102	478	13.4	400
	21.0	630	27	197	922	25.6	770
	28.0	840	36	263	1230	34.1	1025
<b>38 kcal/fl oz</b>  1.27 kcal/mL 4.0 g PE <sup>¶</sup> /100 mL Est'd 780 mOsm <sup>¶¶</sup> /kg H <sub>2</sub> O ~81% Free Water	7.5	225	10	73.0	342	9.2	275
	12.0	360	16	117	547	14.7	440
	15.5	465	21	153	717	19.1	570
	20.0	600	27	197	922	24.6	740
	27.0	810	37	270	1264	33.3	1000
<b>40 kcal/fl oz</b>  1.33 kcal/mL 4.2 g PE <sup>¶</sup> /100 mL Est'd 820 mOsm <sup>¶¶</sup> /kg H <sub>2</sub> O ~80% Free Water	5.0	150	7	51.1	239	6.2	185
	7.0	210	10	73.0	342	8.7	260
	12.5	375	18	131	615	15.6	465
	21.0	630	31	226	1059	26.3	790
	26.0	780	38	277	1298	32.5	975
<b>45 kcal/fl oz</b>  1.50 kcal/mL 4.7 g PE <sup>¶</sup> /100 mL Est'd 925 mOsm <sup>¶¶</sup> /kg H <sub>2</sub> O ~78% Free Water	6.0	180	10	73.0	342	7.7	230
	9.0	270	15	110	512	11.6	345
	17.0	510	29	212	991	21.9	660
	20.0	600	34	248	1162	25.8	775
	25.0	750	42	307	1435	32.2	965

Last Updated March 3, 2026

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