

Neocate® Junior, Tropical or Chocolate Dilution Chart

For Healthcare Professionals[§]

*Osmolality estimates based on average of 640 mOsm/kg: Tropical = 630, Chocolate = 650 at standard.

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 until the powder has dissolved

Approximate Household Measures*
Leveled and Unpacked

1 scoop [†]	8.2 g
1 tsp (5 mL)	2.4 g
1 Tbsp (15 mL)	7.3 g
¼ cup (60 mL)	29.0 g
½ cup (80 mL)	38.7 g
⅓ cup (120 mL)	58.0 g
1 cup (240 mL)	116 g

30 kcal/fl oz

1.00 kcal/mL
3.55 g PE/100 mL
Osmolality:
640 mOsm/kg
~84.0% Free Water

Volume of Water		Amount of Neocate Powder [†]			Final Volume [‡]	
Exact fl oz	mL	scoops	grams	kcal	Approx fl oz	mL
4.0	120	4	32.8	148	5.0	145
7.0	210	7	57.4	259	8.0	255
11.5	345	11	90.2	407	13.7	410
20.0	600	20	164	740	24.0	730
28.0	840	27	221	999	33.3	999

32 kcal/fl oz

1.07 kcal/mL
3.78 g PE/100 mL
Est'd 685 mOsm/kg ll
~83.0% Free Water

Exact fl oz	mL	scoops	grams	kcal	Approx fl oz	mL
9.5	285	10	82.0	370	11.5	344
12.5	375	13	107	481	15.1	452
15.5	465	16	131	592	18.6	559
20.0	600	21	172	777	24.1	724
28.0	840	29	238	1072	33.7	1011

34 kcal/fl oz

1.13 kcal/mL
4.02 g PE/100 mL
Est'd 725 mOsm/kg ll
~81.9% Free Water

Exact fl oz	mL	scoops	grams	kcal	Approx fl oz	mL
4.5	135	5	41.0	185	5.5	165
9.0	270	10	82.0	370	11.0	329
15.0	450	17	139	629	18.3	550
22.0	660	25	205	925	26.9	808
27.0	810	30	246	1109	32.9	987

36 kcal/fl oz

1.20 kcal/mL
4.26 g PE/100 mL
Est'd 770 mOsm/kg ll
~80.8% Free Water

Exact fl oz	mL	scoops	grams	kcal	Approx fl oz	mL
5.0	150	6	49.2	222	6.2	185
7.5	225	9	73.8	333	9.3	278
14.0	420	17	139	629	17.3	520
20.0	600	24	197	888	24.7	742
26.0	780	31	254	1146	32.1	963

38 kcal/fl oz

1.27 kcal/mL
4.49 g PE/100 mL
Est'd 810 mOsm/kg ll
~79.8% Free Water

Exact fl oz	mL	scoops	grams	kcal	Approx fl oz	mL
5.5	165	7	57.4	259	6.9	206
8.5	255	11	90.2	407	10.7	320
14.0	420	18	148	666	17.5	526
20.0	600	26	213	962	25.1	754
27.0	810	35	287	1294	33.9	1017

40 kcal/fl oz

1.33 kcal/mL
4.73 g PE/100 mL
Est'd 855 mOsm/kg ll
~78.7% Free Water

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Exact fl oz	mL	scoops	grams	kcal	Approx fl oz	mL
6.5	195	9	73.8	333	8.3	248
9.5	285	13	107	481	12.1	362
13.0	390	18	148	666	16.5	496
19.0	570	26	213	962	24.1	724
25.0	750	34	279	1257	31.7	951

45 kcal/fl oz

1.50 kcal/mL
5.32 g PE/100 mL
Est'd 960 mOsm/kg ll
~76.1% Free Water

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Exact fl oz	mL	scoops	grams	kcal	Approx fl oz	mL
5.0	150	8	65.6	296	6.6	197
7.5	225	12	98.4	444	9.9	296
12.5	375	20	164	740	16.4	493
18.0	540	29	238	1072	23.7	711
25.0	750	40	328	1479	32.9	986

*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 gram 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 8.2 grams powder and provides 37 kcal. 1 gram provides 4.51 kcal and displaces ~0.72 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 osmolality 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.

***HOUSEHOLD MEASURES:** Clinicians can access an easy Household Measures Calculator in the Neocate Calculator at www.NutriciaLearningCenter.com in the GI/Allergy Clinician Resources section

Contact our Medical Affairs team with questions:
NutritionServices @ Nutricia.com • (800)-365-7354

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