

Neocate® Splash, Unflavored Concentration & Dilution Chart

For Healthcare Professionals⁵



Refer to product package for full instructions



1. Measure the required amount of Neocate Splash into a container



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



3. Cover and shake or stir until the mixture is well blended

Add Neocate Junior, Unflavored to concentrate:

Concentration
45 kcal/fl oz
 1.50 kcal/mL
 4.5 g PE/100 mL
Osmolality:
 Est'd 970 mOsm/kg ‡
 ~76.9% Free Water

Volume of Neocate Splash*		
fl oz	mL	kcal
3.5	105	105
7	210	210
2 drink boxes	474	474
19	570	570
4 drink boxes	948	948

Amount of Neocate Junior Powder[†]

scoops	grams	kcal
2	14.6	70
4	29.2	140
9	65.7	315
11	80.3	385
18	131	629

Calories & Approximate Final Volume

fl oz	mL	kcal
3.9	115	175
7.8	230	350
17.6	519	789
21.2	625	955
35.1	1039	1577

40 kcal/fl oz
 1.33 kcal/mL
 4.0 g PE/100 mL
 Est'd 870 mOsm/kg ‡
 ~79.5% Free Water

fl oz	mL	kcal
5.5	165	165
1 drink box	237	237
2 drink boxes	474	474
3 drink boxes	711	711
4 drink boxes	948	948

scoops	grams	kcal
2	14.6	70
3	21.9	105
6	43.8	210
9	65.7	315
12	87.6	420

fl oz	mL	kcal
5.9	175	235
8.5	252	342
17.1	504	684
25.6	756	1026
34.1	1008	1368

35 kcal/fl oz
 1.17 kcal/mL
 3.5 g PE/100 mL
 Est'd 770 mOsm/kg ‡
 ~82.0% Free Water

fl oz	mL	kcal
5	150	150
11	330	330
2 drink boxes	474	474
21	630	630
4 drink boxes	948	948

scoops	grams	kcal
1	7.3	35
2	14.6	70
3	21.9	105
4	29.2	140
6	43.8	210

fl oz	mL	kcal
5.2	155	185
11.5	340	400
16.5	489	579
22.0	650	770
33.1	978	1158



Add water to dilute:

Concentration
27 kcal/fl oz
 0.90 kcal/mL
 ~9:1 ratio Splash:H₂O
 2.7 g PE/100 mL
 Est'd 605 mOsm/kg ‡
 ~86.1% Free Water

Volume of Neocate Splash		
Drink boxes	fl oz	mL
2	16	474
3	24	711
4	32	948
5	40	1185
6	48	1422

Volume of Water*	
fl oz	mL
1.5	45
2.5	75
3	90
4	120
5	150

Calories & Approximate Final Volume		
fl oz	mL	kcal
17.5	519	474
26.5	786	711
35	1038	948
44	1305	1185
53	1572	1422

24 kcal/fl oz
 0.80 kcal/mL
 ~4:1 ratio Splash:H₂O
 2.4 g PE/100 mL
 Est'd 535 mOsm/kg ‡
 ~87.7% Free Water

Drink boxes	fl oz	mL
1	8	237
2	16	474
3	24	711
4	32	948
5	40	1185

fl oz	mL
2	60
4	120
6	180
7	210
9	270

fl oz	mL	kcal
10	297	237
20	594	474
30	891	711
39	1158	948
49	1455	1185

22 kcal/fl oz
 0.73 kcal/mL
 ~11:4 ratio Splash:H₂O
 2.2 g PE/100 mL
 Est'd 490 mOsm/kg ‡
 ~88.7% Free Water

Drink boxes	fl oz	mL
2	16	474
3	24	711
4	32	948
5	40	1185
6	48	1422

fl oz	mL
5.5	165
8.5	240
11	330
14	405
17	480

fl oz	mL	kcal
21.5	639	474
32.5	951	711
43	1278	948
54	1590	1185
65	1902	1422

20 kcal/fl oz
 0.67 kcal/mL
 2:1 ratio Splash:H₂O
 2.0 g PE/100 mL
 Est'd 445 mOsm/kg ‡
 ~89.7% Free Water

Drink boxes	fl oz	mL
1	8	237
2	16	474
3	24	711
4	32	948
5	40	1185

fl oz	mL
4	120
8	240
12	330
15	450
19	570

fl oz	mL	kcal
12	357	237
24	714	474
36	1041	711
47	1398	948
59	1755	1185

This chart assumes 1 fl oz = 29.6 mL. 1 drink box = 8 fl oz = 237 mL and standard dilution is 30 kcal/fl oz, or 1 kcal/mL.
 *In recipes that don't call for an even number of Neocate Splash drink boxes and those that call for adding water, milliliter volumes are rounded to the nearest 15 mL.

†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 35.0 kcal. 1 gram provides 4.79 kcal and displaces ~0.69 mL water.

‡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.

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



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