

INFANT FORMULA PREPARATION GUIDELINES AND DILUTION CHARTS

FOR HEALTH CARE PROFESSIONAL USE ONLY

Hypocaloric and hypercaloric formulas should be used under medical supervision.

- Modifications (decrease/increase) of minerals and vitamins must be taken into consideration. Closer monitoring may be necessary.
- 27 Cal/30 mL or more calorically dense formula may not supply enough water for some infants. Hydration status should be monitored and water supplied from other sources if necessary.
- Gastrointestinal tolerance of hypo/hypercaloric formula may differ from standard dilution formula. Closer monitoring may be necessary.
- For improved tolerance, it is best to increase caloric density slowly, by 2- to 4-Cal/30 mL increments.

Ready to use (cans and HFS bottles)

- Do not dilute.

Concentrated Liquid (40 Cal/30 mL)

Standard dilution (20 Cal/30 mL) is one part concentrated liquid to one part water. See back of product label for detailed preparation instructions.

Caloric Density ¹ (Cal/30 mL)	Concentrated Liquid (mL)	+	Water (mL)	=	Final Volume (mL)
20 (standard)	30		30		60
24	90		60		150
27	60		30		90

Powder

Standard dilution (20 Cal/30 mL) is one level unpacked scoop of powder for each 60 mL of water. See product label for detailed preparation instructions.

Caloric Density ¹ (Cal/30 mL)	Unpacked Level Scoop(s) [†]	+	Water (mL)	=	Approximate Yield [‡] (mL)
20 (standard)	1		60		60
22	2		105		120
24	3		150		180
27	3		130		150

Scoop Measurement and Displacement Volumes for Infant Powders

Product	Grams of powder per scoop	Displacement volume per scoop [‡] (mL)	Displacement volume per g of powder [‡] (mL)
Preterm Infants			
Similac® Neosure® Omega-3 and Omega-6	9.6	7.3	0.76
Similac® Human Milk Fortifier	N/A	N/A	0.69 [§]
Term Infants			
Similac® Alimentum® Omega-3 and Omega-6	8.7	6.6	0.76
Similac® Advance® Omega-3 and Omega-6 (Non-GMO)	8.8	6.8	0.77
Similac® Advance® Omega-3 and Omega-6	8.8	6.8	0.77
Similac® Iron-Fortified	8.8	6.8	0.77
Similac® Lower Iron	8.8	6.8	0.77
Similac® Sensitive for babies sensitive to lactose	8.7	6.7	0.78
Similac® Go & Grow® Omega-3 and Omega-6 (Non-GMO)	8.8	6.8	0.77
Similac® Go & Grow® Omega-3 and Omega-6	8.8	6.8	0.77
Similac® Go & Grow®	8.8	6.8	0.77
Similac® Isomil®	8.7	6.7	0.77
Similac® Isomil® with Omega-3 and Omega-6	8.9	6.8	0.76
Similac® Isomil® (Step 2)	8.7	6.7	0.77
Similac® Partially Broken Down Protein	8.7	6.8	0.78

[†] Use only scoop provided in the container. [‡] Values are approximate. [§] Per 0.9 g packet.

REFERENCE:

1. Adapted from Young T, Mangum B. Dilution Tables Neofax 17th ed. Raleigh NC 2004:232.