

Similac® Special Care® Liqui-Mix™ System

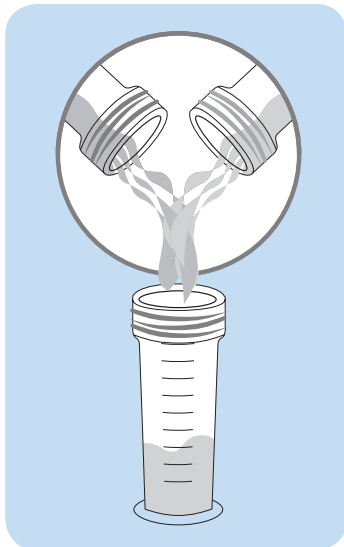
Description

Similac Special Care infant formulas offer a comprehensive line of feedings for growing low-birth-weight infants and premature infants. Similac® Special Care® 24 With Iron, Similac® Special Care® 24 High Protein, and Similac® Special Care® 30 With Iron can be used in the Liqui-Mix System for precise mixing and safe delivery of high-calorie, nutrient-dense formula.

The FDA, ADA, and CDC recommend that powdered infant formulas not be used in the NICU unless there is no alternative available^{1-3*}

- NICU babies are often immunocompromised and may be at high risk for developing infections
- Powdered formulas are not commercially sterile
- Reconstituted powder infant formulas have potential for microbial growth and mixing errors

Similac Special Care liquid formulas eliminate the need for most powder mixing.



Features

- **Safe**
 - Commercially sterile liquid meets FDA, ADA, and CDC recommendations to reduce risk of contamination
- **Versatile**
 - Mixes easily to create a variety of calorically dense formulas
- **Simple**
 - Easy-to-use, 2- to-1, 1-to-1, 1-to-2 system

NOTE: Proper hygiene, handling, and storage are important when preparing infant formulas. Always follow your hospital's policies and procedures regarding safe handling practices when preparing infant feedings to prevent the possibility of contamination.





1. Robbins ST, Beker LT. Infant Feedings: *Guidelines for Preparation of Formula and Breastmilk in Health Care Facilities*. American Dietetic Association, 2004. A synopsis is available at: http://www.eatright.org/cps/rde/xchg/ada/hs.xsl/nutrition_1562_ENU-HTML.htm. Accessed November 22, 2008.
2. Centers for Disease Control and Prevention. *Enterobacter sakazakii* infections associated with the use of powdered infant formula—Tennessee, 2001. Available at: <http://www.cdc.gov/mmwr/preview/mmwrhtml/mm5114a1.htm>. Accessed November 22, 2008.
3. US Food and Drug Administration, Center for Food Safety and Applied Nutrition, Office of Nutritional Products, Labeling and Dietary Supplements. Health professionals letter on *Enterobacter sakazakii* infections associated with use of powdered (dry) infant formulas in neonatal intensive care units. Available at: <http://www.cfsan.fda.gov/~dms/inf-itr3.html>. Accessed November 22, 2008.

* US Food and Drug Administration, American Dietetic Association, and Centers for Disease Control and Prevention

Recipes for various formula concentrations using the Similac® Special Care® Liqui-Mix™ System.

Similac® Special Care® 24 With Iron (SSC 24 w/Iron) + Similac® Special Care® 30 With Iron (SSC 30 w/Iron)		
	To Prepare:	Mix the Following:
 Measure liquid formulas by volume when mixing, as fill weights can vary.	26 Cal/fl oz formula	 2 parts SSC 24 w/Iron + 1 part SSC 30 w/Iron
	27 Cal/fl oz formula	 1 part SSC 24 w/Iron + 1 part SSC 30 w/Iron
	28 Cal/fl oz formula [†]	 1 part SSC 24 w/Iron + 2 parts SSC 30 w/Iron

[†]**EXAMPLE:** To make 1 fl oz (approximately 30 mL) of 28-Cal formula, mix approximately 10 mL of SSC 24 w/Iron and 20 mL of SSC 30 w/Iron. For more precise measurements, use a Volu-Feed® bottle.

Similac® Special Care® 24 High Protein (SSC 24 HP) + Similac® Special Care® 30 With Iron (SSC 30 w/Iron)		
	To Prepare:	Mix the Following:
 Measure liquid formulas by volume when mixing, as fill weights can vary.	26 Cal/fl oz formula	 2 parts SSC 24 HP w/Iron + 1 part SSC 30 w/Iron
	27 Cal/fl oz formula	 1 part SSC 24 HP w/Iron + 1 part SSC 30 w/Iron
	28 Cal/fl oz formula [†]	 1 part SSC 24 HP w/Iron + 2 parts SSC 30 w/Iron

[†]**EXAMPLE:** To make 1 fl oz (approximately 30 mL) of 28-Cal formula, mix approximately 10 mL of SSC 24 HP w/Iron and 20 mL of SSC 30 w/Iron. For more precise measurements, use a Volu-Feed® bottle.

Liqui-Mix™ System

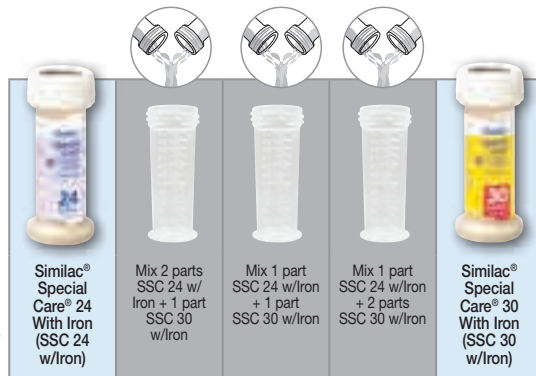
Similac® Special Care® 24 With Iron + Similac® Special Care® 30 With Iron

Nutrients per 100 Cal

Similac Special Care Liqui-Mix System*

For safe¹ delivery of high-calorie, nutrient-dense formula.

- **SAFE**—Commercially sterile liquid meets FDA, ADA, and CDC² recommendations to reduce risk of contamination
- **VERSATILE**—Mixes easily to create a variety of calorically dense formulas
- **SIMPLE**—Easy-to-use 2-to-1, 1-to-1, 1-to-2 system



Cal/fl oz	24	26	27	28	30
Nutrients					
Energy, Cal	100	100	100	100	100
Volume, mL	123	114	110	106	99
Protein, g	3.0	3.0	3.0	3.0	3.0
Fat, g	5.43	5.88	6.09	6.27	6.61
Carbohydrate, g	10.3	9.3	8.9	8.5	7.73
Calcium, mg	180	180	180	180	180
Phosphorus, mg	100	100	100	100	100
Magnesium, mg	12	12	12	12	12
Iron, mg	1.8	1.8	1.8	1.8	1.8
Zinc, mg	1.5	1.5	1.5	1.5	1.5
Manganese, mcg	12	12	12	12	12
Copper, mcg	250	250	250	250	250
Iodine, mcg	6.0	6.0	6.0	6.0	6.0
Selenium, mcg	1.8	1.8	1.8	1.8	1.8
Sodium, mg (mEq)	43 (1.9)	43 (1.9)	43 (1.9)	43 (1.9)	43 (1.9)
Potassium, mg (mEq)	129 (3.3)	129 (3.3)	129 (3.3)	129 (3.3)	129 (3.3)
Chloride, mg (mEq)	81 (2.3)	81 (2.3)	81 (2.3)	81 (2.3)	81 (2.3)
Vitamin A, IU	1250	1250	1250	1250	1250
Vitamin D, IU	150	150	150	150	150
Vitamin E, IU	4.0	4.0	4.0	4.0	4.0
Vitamin K, mcg	12	12	12	12	12
Thiamin B ₁ , mcg	250	250	250	250	250
Riboflavin B ₂ , mcg	620	620	620	620	620
Vitamin B ₆ , mcg	250	250	250	250	250
Vitamin B ₁₂ , mcg	0.55	0.55	0.55	0.55	0.55
Niacin, mcg	5000	5000	5000	5000	5000
Folic Acid, mcg	37	37	37	37	37
Pantothenic Acid, mcg	1900	1900	1900	1900	1900
Biotin, mcg	37	37	37	37	37
Vitamin C, mg	37	37	37	37	37
Choline, mg	10	10	10	10	10
Inositol, mg	40	40	40	40	40
Linoleic Acid, mg	700	700	700	700	700
Potential RSL, mOsm	27.8	27.8	27.8	27.8	27.8
Approx Osmolality, mOsm/kg water	280	295	305	310	325

* Patent Pending

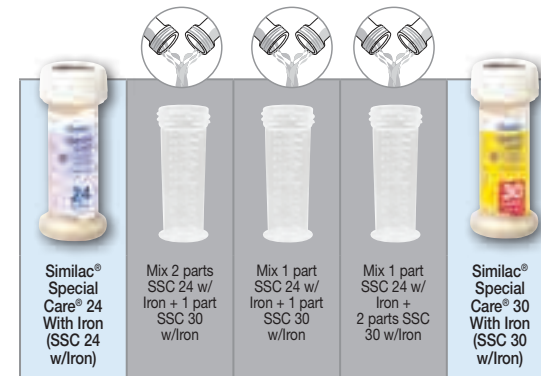
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² US Food and Drug Administration, American Dietetic Association, and Centers for Disease Control and Prevention

Liqui-Mix™ System

Similac® Special Care® 24 With Iron + Similac® Special Care® 30 With Iron

Nutrients per 100 mL



Cal/fl oz	24	26	27	28	30
Nutrients					
Energy, Cal	81	88	91	95	101
Volume, mL	100	100	100	100	100
Protein, g	2.43	2.64	2.74	2.84	3.04
Fat, g	4.41	5.17	5.56	5.94	6.71
Carbohydrate, g	8.4	8.2	8.1	8.0	7.8
Calcium, mg	146	158	164	170	183
Phosphorus, mg	81	88	91	95	101
Magnesium, mg	9.7	10.6	11.0	11.4	12.2
Iron, mg	1.46	1.58	1.64	1.70	1.83
Zinc, mg	1.22	1.32	1.37	1.42	1.52
Manganese, mcg	10	11	11	11	12
Copper, mcg	203	220	228	237	254
Iodine, mcg	5.0	5.0	5.0	6.0	6.0
Selenium, mcg	1.5	1.6	1.6	1.7	1.8
Sodium, mg (mEq)	35 (1.5)	38 (1.6)	39 (1.7)	41 (1.8)	44 (1.9)
Potassium, mg (mEq)	105 (2.7)	113 (2.9)	118 (3.0)	122 (3.1)	131 (3.4)
Chloride, mg (mEq)	66 (1.9)	71 (2.0)	74 (2.1)	77 (2.2)	82 (2.3)
Vitamin A, IU	1014	1099	1141	1184	1268
Vitamin D, IU	122	132	137	142	152
Vitamin E, IU	3.2	3.5	3.7	3.8	4.1
Vitamin K, mcg	9.7	10.6	11.0	11.4	12.2
Thiamin B ₁ , mcg	203	220	228	237	254
Riboflavin B ₂ , mcg	503	545	566	587	629
Vitamin B ₆ , mcg	203	220	228	237	254
Vitamin B ₁₂ , mcg	0.45	0.48	0.50	0.52	0.56
Niacin, mcg	4058	4396	4565	4734	5072
Folic Acid, mcg	30	32.5	33.8	35	37.5
Pantothenic Acid, mcg	1542	1670	1735	1799	1927
Biotin, mcg	30	32.5	33.8	35	37.5
Vitamin C, mg	30	33	34	35	38
Choline, mg	8.0	9.0	9.0	9.0	10
Inositol, mg	32	35	37	38	41
Linoleic Acid, mg	568	615	639	663	710
Potential RSL, mOsm	22.6	24.5	25.4	26.3	28.2
Approx Osmolality, mOsm/kg water	280	295	305	310	325

Liqui-Mix™ System

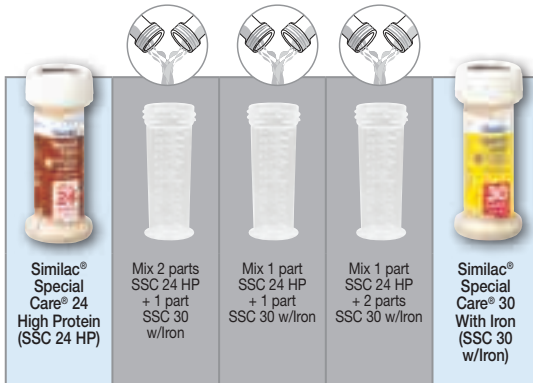
Similac® Special Care® 24 High Protein + Similac® Special Care® 30 With Iron

Nutrients per **100 Cal**

Similac Special Care Liqui-Mix System*

For safe[†] delivery of high-calorie, nutrient-dense formula.

- **SAFE**—Commercially sterile liquid meets FDA, ADA, and CDC[‡] recommendations to reduce risk of contamination
- **VERSATILE**—Mixes easily to create a variety of calorically dense formulas
- **SIMPLE**—Easy-to-use 2-to-1, 1-to-1, 1-to-2 system



Cal/fl oz	24	26	27	28	30
Nutrients					
Energy, Cal	100	100	100	100	100
Volume, mL	123	114	110	106	99
Protein, g	3.30	3.18	3.13	3.09	3.0
Fat, g	5.43	5.88	6.09	6.27	6.61
Carbohydrate, g	10.0	9.1	8.7	8.4	7.73
Calcium, mg	180	180	180	180	180
Phosphorus, mg	100	100	100	100	100
Magnesium, mg	12	12	12	12	12
Iron, mg	1.8	1.8	1.8	1.8	1.8
Zinc, mg	1.5	1.5	1.5	1.5	1.5
Manganese, mcg	12	12	12	12	12
Copper, mcg	250	250	250	250	250
Iodine, mcg	6.0	6.0	6.0	6.0	6.0
Selenium, mcg	1.8	1.8	1.8	1.8	1.8
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Folic Acid, mcg	37	37	37	37	37
Pantothenic Acid, mcg	1900	1900	1900	1900	1900
Biotin, mcg	37	37	37	37	37
Vitamin C, mg	37	37	37	37	37
Choline, mg	10	10	10	10	10
Inositol, mg	40	40	40	40	40
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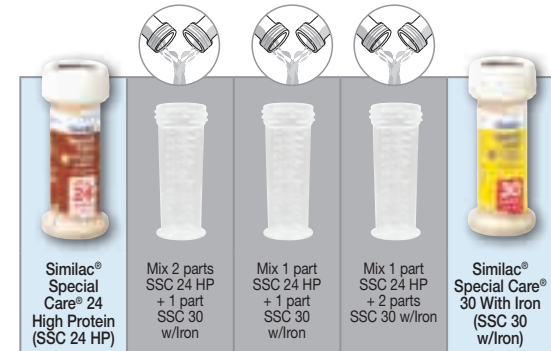
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