



Two *NEW* Non-Acidified Enfamil Liquid Human Milk Fortifiers (LHMFs) with Flex-Pro bottle

**The growth
they need.
The flexibility
you need.**

NEW
NON-
ACIDIFIED
LIQUID

**FLEXIBLE
PROTEIN
OPTIONS**

**SIMPLE &
ASEPTIC**



*Feeding their potential,
one mL at a time.*

Protein varies by breast milk type.

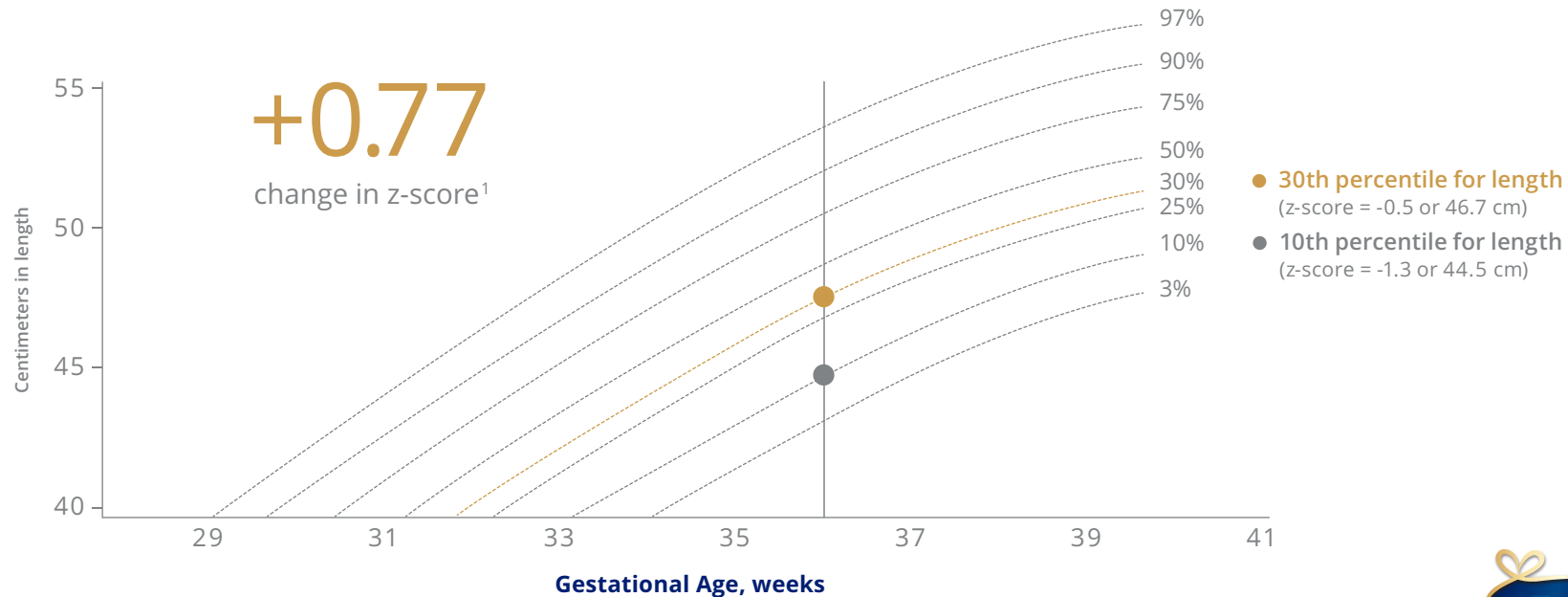
***New Enfamil LHMFs increase
protein to help fuel lean growth
when babies need it most.***



Protein Benefits

Data suggests an additional 100 g of protein over 28 days could improve length¹

Example of length gain of infant boy at gestational age of 36 0/7 weeks PMA



PMA=postmenstrual age; z-score=growth status.



Optimize Preterm Nutrition

Two new Enfamil LHMFs. Designed for targeted nutrition and the special needs of the NICU

Flexible Protein Options

Balanced micronutrient profiles with protein levels clinically shown to promote growth^{2,3}



HIGH PROTEIN
for preterm babies who need lean growth



STANDARD PROTEIN
for preterm or late preterm babies

- Has **DHA** and **ARA** to help you achieve expert recommended amounts
- Has higher amounts of **vitamin D** and **iron** than other LHMFs

New Flex-Pro Bottle

Making every mL count

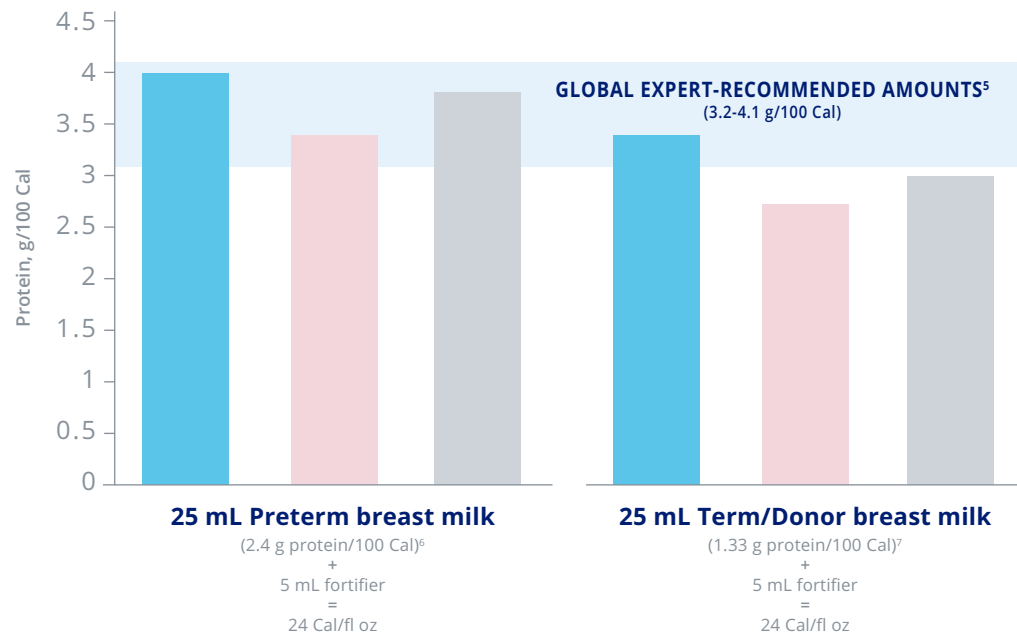
- Helps make fortifying simple
- Reduces likelihood of contamination and milk waste⁴
- Minimizes steps needed to mix large batches
- Works seamlessly with standard transfer lids

Up to 97% less waste of breast milk when using Enfamil LHMFs with new Flex-Pro bottle.⁴

See Flex-Pro Instructions For Use and LHMFs Nutrient Comparisons in pocket.

Flexible Preparations for Every Baby

Enfamil LHMFs help you meet global expert recommendations for preterm infants with customized protein administration



■ **Enfamil LHM High Protein**
■ **Enfamil LHM Standard Protein**
■ **Similac HMFEP***

HIGH PROTEIN

- Has 0.56 g protein/5 mL
- Mixes to 4.0 g protein/100 Cal[†]

STANDARD PROTEIN

- Has 0.42 g protein/5 mL
- Mixes to 3.4 g protein/100 Cal[†]

*Similac® Human Milk Fortifier Extensively Hydrolyzed Protein Concentration Liquid.
[†]When added to preterm breast milk.



Clinically Studied Protein Amounts

Enfamil LHMFs allow flexibility in supporting growth for the babies who need it most

Enfamil LHMF High Protein

Has protein at an amount shown to promote lean growth^{*†‡}



Length $P=0.003^*$

Test Product	42.4 cm
Control	41.2 cm

Weight $P=0.004^*$

Test Product	1829 g
Control	1662 g

Head Circumference $P=0.043^*$

Test Product	30.6 cm
Control	29.9 cm



Enfamil LHMF Standard Protein

Has protein at an amount suitable for starting breast milk fortification or in preparation for discharge



Protein amount clinically shown to promote growth^{‡3}

- ✓ Demonstrated length increase
- ✓ Demonstrated weight gain
- ✓ Demonstrated head circumference gain

*Study used EHMAL vs Enfamil HMF Powder.

† Data based on a per-protocol efficacy analysis.

‡ Study used Enfamil HMF Powder.

EHMFL=Enfamil Human Milk Fortifier Acidified Liquid;
ELBW=extremely low birth weight; VLBW=very low birth weight.

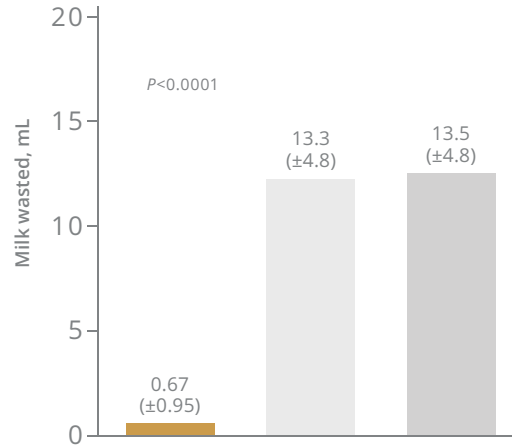
The Flex-Pro Advantage

A more efficient breast milk fortification process⁴



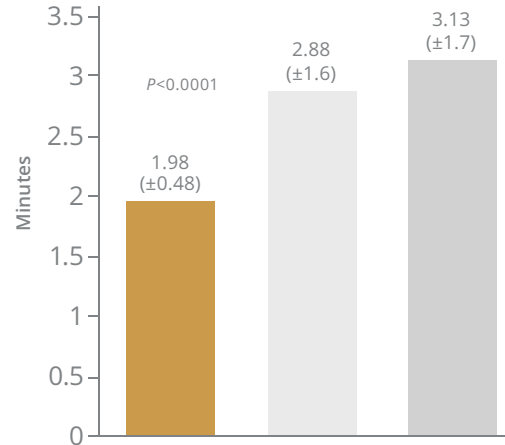
Reduced milk waste⁴

97%



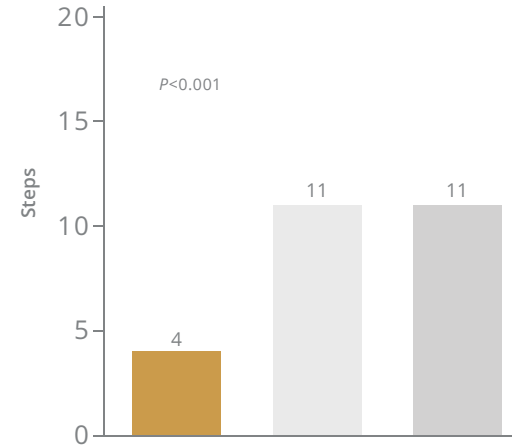
Reduced preparation time⁴

37%



Reduced preparation steps⁴

61%



- Flex-Pro Bottle (n=54)
- Enfamil Acidified Liquid Human Milk Fortifier (n=54)
- Similac Hydrolyzed Human Milk Fortifier (n=54)



New Enfamil LHMFs

Non-acidified fortifiers to support the flexibility you need

- ✓ Available in 2 balanced formulations: High Protein or Standard Protein
- ✓ Easy-to-use Flex-Pro bottle saves prep time and reduces breast milk waste
- ✓ Has protein amounts shown to support growth^{2,3}

References: 1. Olsen IE, Harris CL, Lawson ML, Berseth CL. Higher protein intake improves length, not weight, z scores in preterm infants. *J Pediatr Gastroenterol Nutr.* 2014;58:409-416. 2. Moya F, Sisk PM, Walsh KR, Berseth CL. A new liquid human milk fortifier and linear growth in preterm infants. *Pediatrics.* 2012;130:e928-e935. 3. Berseth CL, Van Aerde JE, Gross S, Stolz SI, Harris CL, Hansen JW. Growth, efficacy, and safety of feeding an iron-fortified human milk fortifier. *Pediatrics.* 2004;114:e699-e706. 4. Data on File. Mead Johnson & Company, LLC. 5. Koletzko B, Poindexter B, Uauy R, eds. *Nutritional Care of Preterm Infants: Scientific Basis and Practical Guidelines.* Basel, Switzerland: Karger; 2014. *World Review of Nutrition and Dietetics*; vol 110. 6. Gross SJ. Growth and biochemical response of preterm infants fed human milk or modified infant formula. *N Eng J Med.* 1983;308:237-241. 7. Picciano MF. Nutrient composition of human milk. *Pediatr Clin North Am.* 2001;48:53-67.

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MeadJohnson
Nutrition

Questions about
Enfamil LHMFs?

Talk to your Enfamil
representative or
call our support line
at 1-800-BABY123



Let's fuel the wonder.™



New Non-Acidified Enfamil LHMFs

Flex-Pro bottle meets aseptic preparation guidelines*¹



Step 1

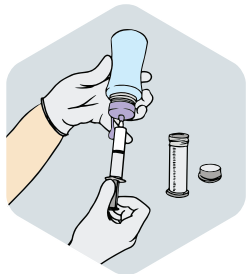
Gather the following:

- Flex-Pro bottle (Standard or High Protein)
- Transfer lid
- Oral syringe
- Feeding container



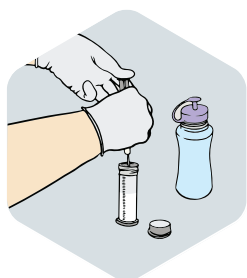
Step 2

- Point syringe down and **CONNECT** the tip to the transfer lid.
- **INVERT** the bottle with syringe attached, keeping the tip upright.



Step 3

- **PULL** the syringe plunger down to draw out the desired amount of fortifier.
- Then, **FLIP** the bottle back with syringe still attached. If needed, **PUSH** excess formula back into the bottle, which prevents spillage.



Step 4

- Next, disconnect syringe from the bottle and proceed to **PUSH OUT** the extracted fortifier into the feeding bottle.

Reference: 1. Steele C, Collins E, eds; Pediatric Nutrition Practice Group. *Infant and Pediatric Feedings: Guidelines for Preparation of Human Milk and Formula in Health Care Facilities*. 3rd ed. Chicago, IL: Academy of Nutrition and Dietetics; 2019.

*According to the Academy of Nutrition and Dietetics.
LHMFs=liquid human milk fortifiers

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Liquid Human Milk Fortifier (LHMF) Nutrient Comparison

(Normal Dilution)	Non-Acidified Enfamil LHMF High Protein			Non-Acidified Enfamil LHMF Standard Protein			Similac® Human Milk Fortifier (HMF) Extensively Hydrolyzed Protein Concentrate Liquid		
	Per 5 mL HMF Only	20 mL HMF + 100 mL Preterm Breast Milk ^{*1}	Per 100 Cal Fortified Preterm Breast Milk ^{*1}	Per 5 mL HMF Only	20 mL HMF + 100 mL Preterm Breast Milk ^{*1}	Per 100 Cal Fortified Preterm Breast Milk ^{*1}	Per 5 mL HMF Only	20 mL HMF + 100 mL Preterm Breast Milk ^{*2}	Per 100 Cal Fortified Preterm Breast Milk ^{*2}
Calories, kcal	7.5	97	100	7.5	97	100	7	96	100
Protein, g	0.56	3.9	4	0.42	3.3	3.4	0.5	3.4	3.58
Fat, g	0.58	5.8	6	0.58	5.8	6	0.21	4.72	4.98
DHA, mg	3	23	24	3	23	24	—	—	—
ARA, mg	5	37	38	5	37	38	—	—	—
Carbohydrate, g	0.11	7.7	7.9	0.28	8.4	8.7	0.75	9.64	10.14
VITAMINS									
Vitamin A, IU	290	1210	1240	290	1210	1240	197	1180	1238
Vitamin D, IU	47	200	200	47	200	200	35	114	149
Vitamin E, IU	1.4	6	6.2	1.4	6	6.2	1	5.2	5.3
Vitamin K, mcg	1.42	7.7	7.9	1.42	7.7	7.9	2.4	10	10.3
Thiamin (vitamin B ₁), mcg	46	193	200	46	193	200	48	212	224
Riboflavin (vitamin B ₂), mcg	66	290	300	66	290	300	74	344	362
Vitamin B ₆ , mcg	35	146	150	35	146	150	50	212	226
Vitamin B ₁₂ , mcg	0.16	0.66	0.68	0.16	0.66	0.68	0.13	0.56	0.6
Niacin, mcg	920	3900	4000	920	3900	4000	980	4040	4279
Folic acid (folacin), mcg	7.7	34	35	7.7	34	35	7	32	32.9
Pantothenic acid, mcg	230	1150	1190	230	1150	1190	310	1420	1494
Biotin, mcg	0.84	3.9	4.1	0.84	3.9	4.1	5.8	23.6	24.8
Vitamin C (ascorbic acid), mg	3.8	20	20	3.8	20	20	7.7	41.6	43.7
MINERALS									
Calcium, mg	29	141	145	29	141	145	30	144	152
Phosphorus, mg	15.8	78	80	15.8	78	80	17	80	85
Magnesium, mg	0.46	5.1	5.3	0.46	5.1	5.3	2.1	11.2	12.1
Iron, mg	0.44	1.85	1.9	0.44	1.85	1.9	0.11	0.56	0.59
Zinc, mg	0.24	1.33	1.37	0.24	1.33	1.37	0.31	1.56	1.66
Manganese, mcg	2.5	10.4	10.7	2.5	10.4	10.7	2.2	9.6	9.9
Copper, mcg	15	98	101	15	98	101	15	124	131
Sodium, mg	6.8	55	57	6.8	55	57	5	48	47
Potassium, mg	11.3	95	98	11.3	95	98	21	140	148
Chloride, mg	6.9	86	88	6.9	86	88	13	108	113
Osmolality, mOsm/kg H ₂ O	~48		~350 [†]	~32		~330 [†]			450

*Mixed to 24 calories.
†The osmolality of breast milk varies. This value is based on a typical human milk value of 300 mOsm/kg.

References: **1.** Gross SJ. Growth and biochemical response of preterm infants fed human milk or modified infant formula. *N Eng J Med.* 1983;308(5):237-241.
2. Product information, Similac Human Milk Fortifier Hydrolyzed Protein Concentrated Liquid. Abbott Nutrition, Abbott Laboratories website. <https://static.abbottnutrition.com/cms-prod/abbottnutrition-2016.com/img/Similac-Human-Milk-Fortifier-Hydrolyzed-Protein-Concentrated-Liquid.pdf>. Updated November 23, 2016. Accessed October 29, 2019.

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Liquid Human Milk Fortifier
Nutrient Comparison

Liquid Human Milk Fortifier Nutrient Comparison	Enfamil Human Milk Fortifier High Protein Concentrate Mixed with Preterm Human Milk			
~kcal/fl oz	22		24	
	per 100 kcal	per 100 mL	per 100 kcal	per 100 mL
Energy, kcal	100	75	100	81
Protein, g	3.3	2.5	4	3.3
Fat, g	5.7	4.2	6	4.8
DHA, mg	21	15.6	24	19.2
ARA, mg	32	24	38	31
Carbohydrate, g	9.2	6.8	8.1	6.6
Water, g	118	88	107	87
Vitamin A, IU	770	570	1240	1010
Vitamin D, IU	124	93	200	167
Vitamin E, IU	3.9	2.9	6.2	5
Vitamin K, mcg	5.9	4.4	7.9	6.4
Thiamin (vitamin B ₁), mcg	123	92	200	161
Riboflavin (vitamin B ₂), mcg	194	145	300	240
Vitamin B ₆ , mcg	93	69	150	122
Vitamin B ₁₂ , mcg	0.41	0.31	0.68	0.55
Niacin, mcg	2500	1860	4000	3300
Folic acid (folacin), mcg	23	16.8	35	28
Pantothenic acid, mcg	840	630	1190	960
Biotin, mcg	2.7	2	4.1	3.3
Vitamin C (ascorbic acid), mg	14.6	10.9	20	16.7
Carnitine, mg	0.85	0.64	0.72	0.58
Taurine, mg	4.9	3.6	4.1	3.3
Calcium, mg	101	75	145	118
Phosphorus, mg	56	42	80	65
Magnesium, mg	5.1	3.8	5.3	4.3
Iron , mg	1.18	0.88	1.9	1.54
Zinc, mg	1.04	0.77	1.37	1.11
Manganese, mcg	6.5	4.9	10.7	8.7
Copper, mcg	83	62	101	82
Iodine, mcg	22	16.2	18.4	14.8
Selenium, mcg	2.9	2.2	2.5	2
Sodium , mg	51	38	57	46
Potassium, mg	89	66	98	79
Chloride, mg	89	65	88	72

Enfamil Human Milk Fortifier Standard Protein Concentrate Mixed with Preterm Human Milk			
22		24	
per 100 kcal	per 100 mL	per 100 kcal	per 100 mL
100	75	100	81
3	2.2	3.4	2.8
5.7	4.2	6	4.8
21	15.6	24	19.2
32	24	38	31
9.6	7.1	8.7	7
118	88	107	87
770	570	1240	1010
124	93	200	167
3.9	2.9	6.2	5
5.9	4.4	7.9	6.4
123	92	200	161
194	145	300	240
93	69	150	122
0.41	0.31	0.68	0.55
2500	1860	4000	3300
23	16.8	35	28
840	630	1190	960
2.7	2	4.1	3.3
14.6	10.9	20	16.7
0.85	0.64	0.72	0.58
4.9	3.6	4.1	3.3
101	75	145	118
56	42	80	65
5.1	3.8	5.3	4.3
1.18	0.88	1.9	1.54
1.04	0.77	1.37	1.11
6.5	4.9	10.7	8.7
83	62	101	82
22	16.2	18.4	14.8
2.9	2.2	2.5	2
51	38	57	46
89	66	98	79
88	65	88	72

