

Scientifically designed for

- ✓ cow's milk protein allergy & intolerance
- ✓ cow's milk-induced FPIES
- ✓ soy protein sensitivity
- ✓ fat malabsorption

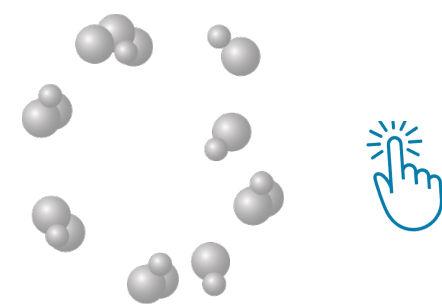


The ONLY hypoallergenic formula with 100% whey protein extensively hydrolyzed, probiotic *B. lactis*, MCT, and a lactose-free and sucrose-free carbohydrate blend

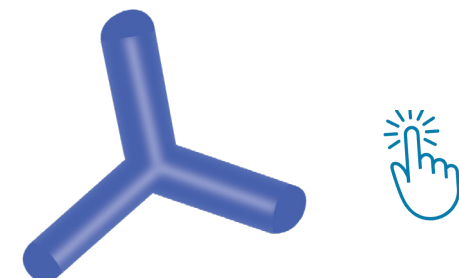
FPIES=Food protein-induced enterocolitis syndrome.
B. lactis=*Bifidobacterium lactis*. MCT=Medium-chain triglycerides.

Gerber® Good Start® Extensive HA® is scientifically designed with a unique blend of key ingredients

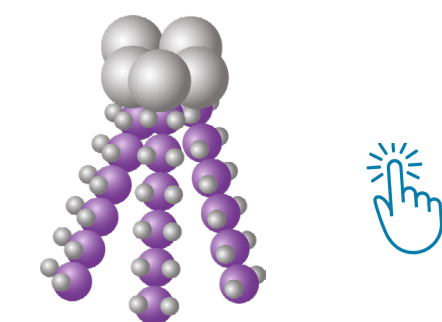
100% whey protein
extensively hydrolyzed



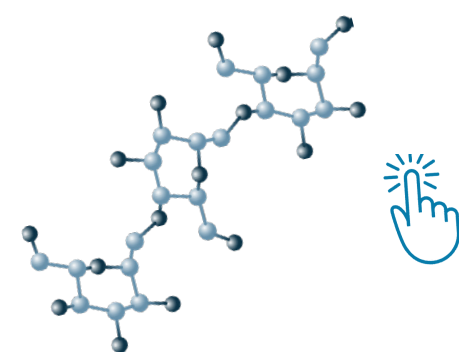
Probiotic *Bifidobacterium*
lactis (*B. lactis*)



Medium-chain
triglycerides (MCT)



Lactose-free and sucrose-free
carbohydrate blend



✓ Cow's milk protein allergy
& intolerance

✓ Cow's milk-induced FPIES

✓ Soy protein sensitivity

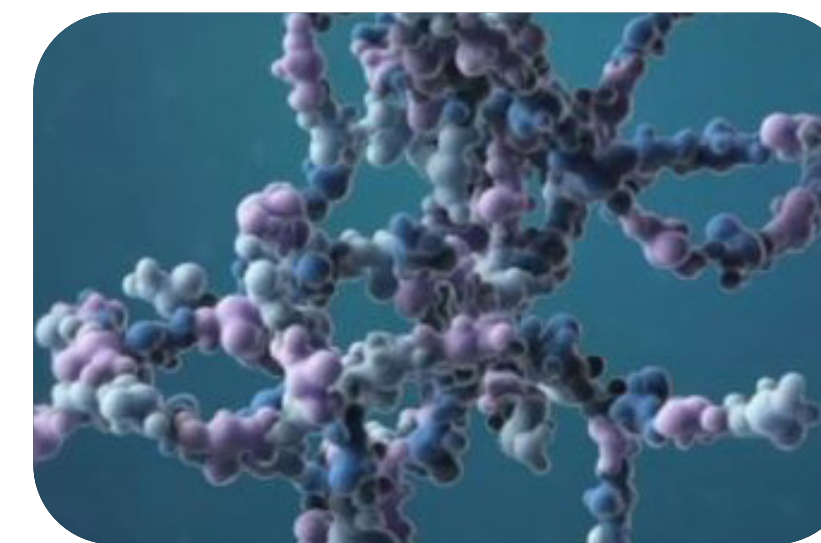
✓ Fat malabsorption

FPIES=Food protein-induced enterocolitis syndrome.

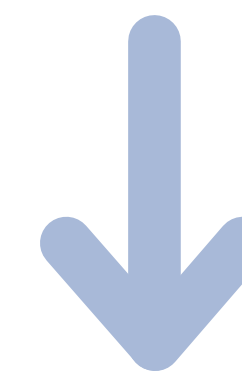
Gerber® Good Start® Extensive HA® is made with 100% whey protein extensively hydrolyzed and clinically proven to be hypoallergenic

Hypoallergenic

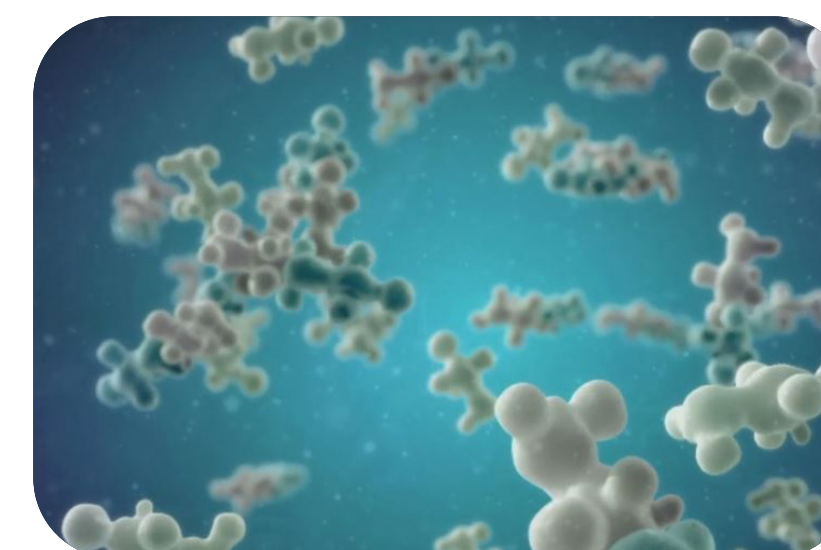
- Meets the AAP hypoallergenicity criteria¹
- Designed for low residual allergenicity while maintaining high quality protein
 - Extensively hydrolyzed and ultrafiltered protein
 - 80% small peptides and 20% amino acids
- Suitable for infants with cow's milk protein allergy & intolerance,^{2,3} cow's milk-induced FPIES, and soy protein sensitivity



~12,000 Daltons
Intact cow's
milk protein



*Enzymatic hydrolysis and
ultrafiltration process*



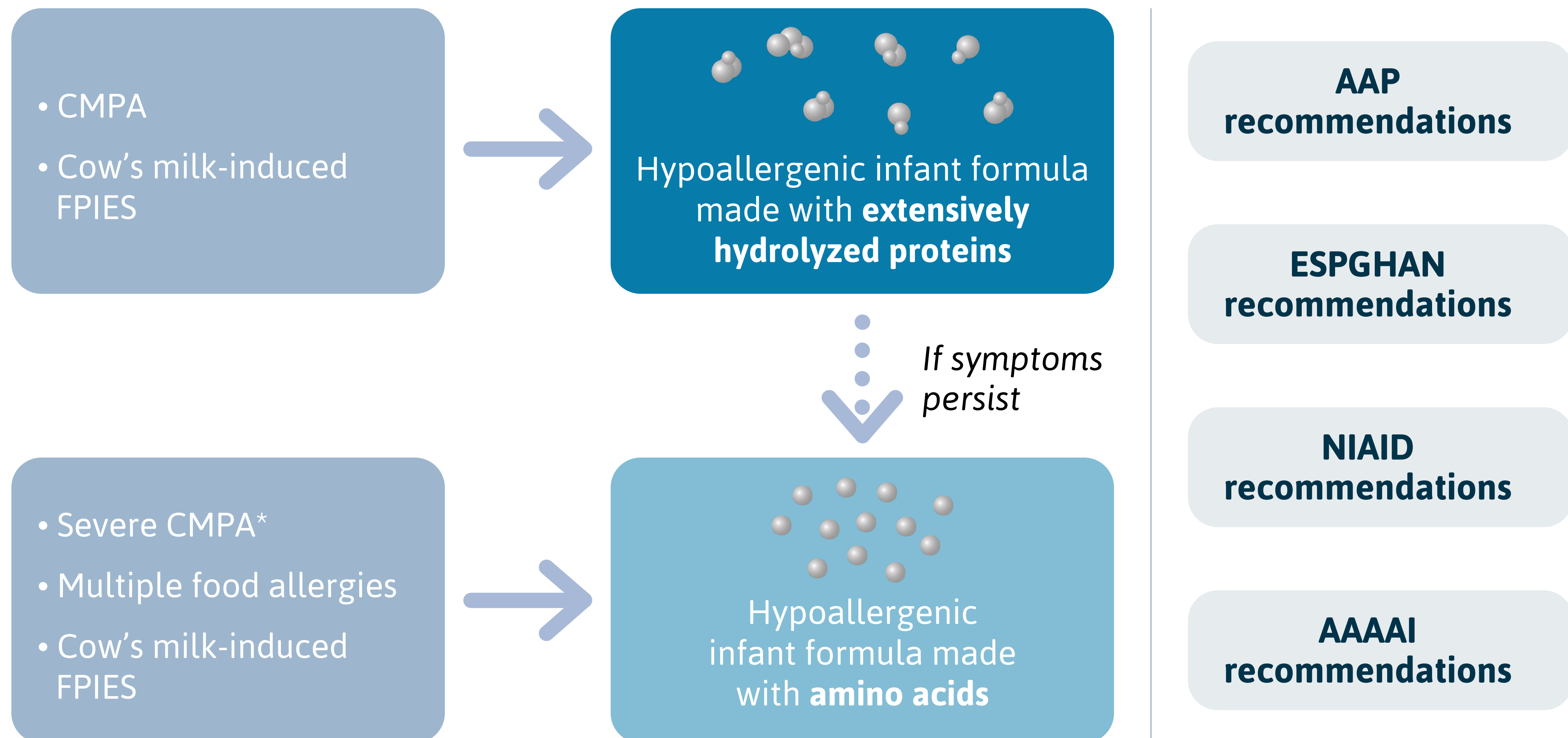
~351 Daltons
100% whey protein
extensively hydrolyzed

Promotes
adequate growth

Gerber® Good Start® Extensive HA® is the **ONLY** hypoallergenic formula with 100% whey protein extensively hydrolyzed, probiotic *B. lactis*, MCT, and a lactose-free and sucrose-free carbohydrate blend

AAP=American Academy of Pediatrics. FPIES=Food protein-induced enterocolitis syndrome. *B. lactis*=*Bifidobacterium lactis*. MCT=Medium-chain triglycerides.

Guidelines for the dietary management of infants with CMPA and cow's milk-induced FPIES



*Defined as having a severe anaphylactic reaction and severe enteropathy, indicated by hypoproteinemia and faltering growth.
CMPA=Cow's milk protein allergy. FPIES=Food protein-induced enterocolitis syndrome. FTT=Failure to thrive. AAP=American Academy of Pediatrics.
ESPGHAN=European Society of Paediatric Gastroenterology, Hepatology and Nutrition. NIAID=National Institute of Allergy and Infectious Disease.
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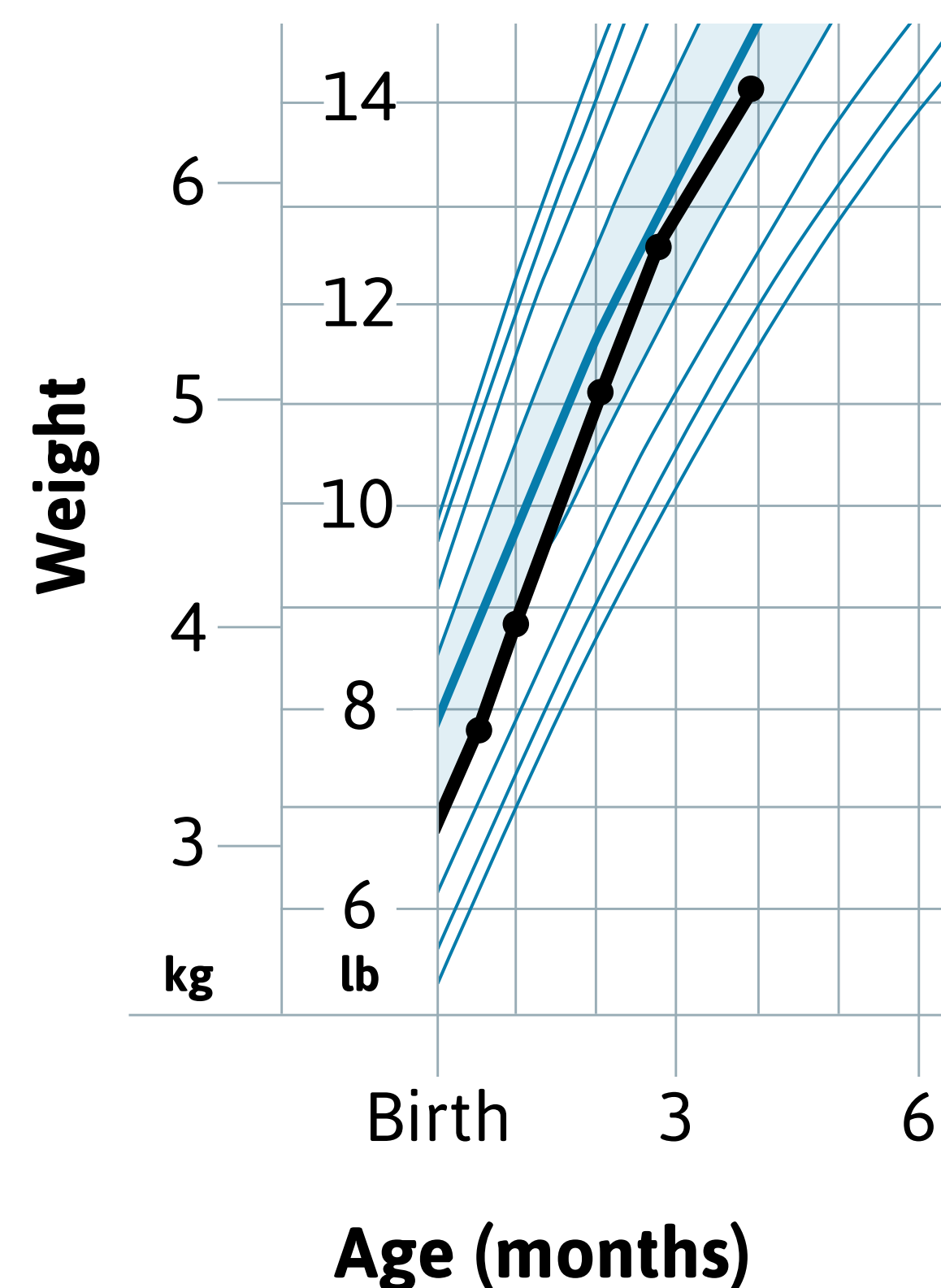


Gerber® Good Start® Extensive HA® is a nutritionally complete hypoallergenic formula, clinically shown to promote adequate growth

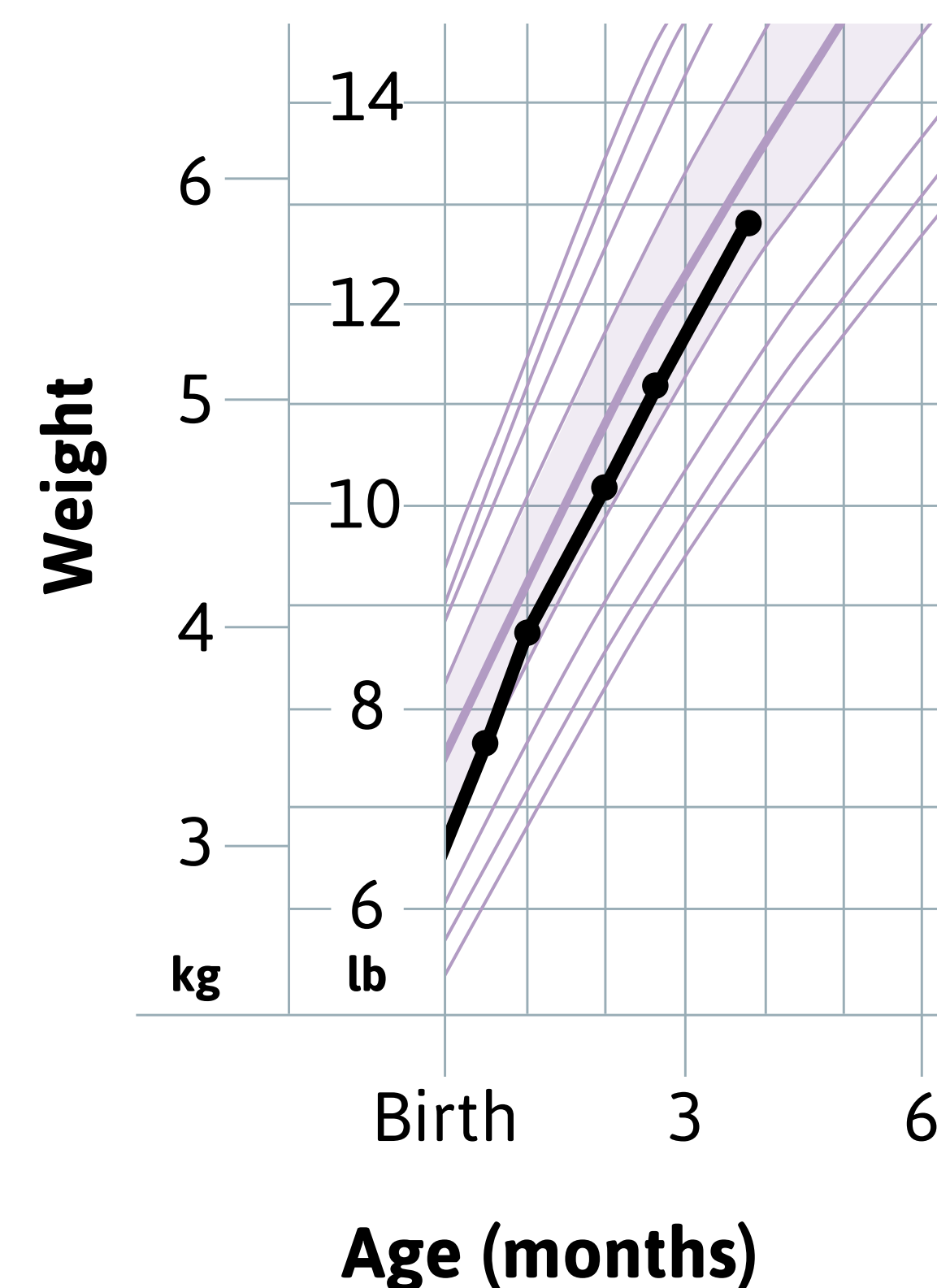
Hypoallergenic

Promotes adequate growth

Boys: Weight-for-age percentile



Girls: Weight-for-age percentile



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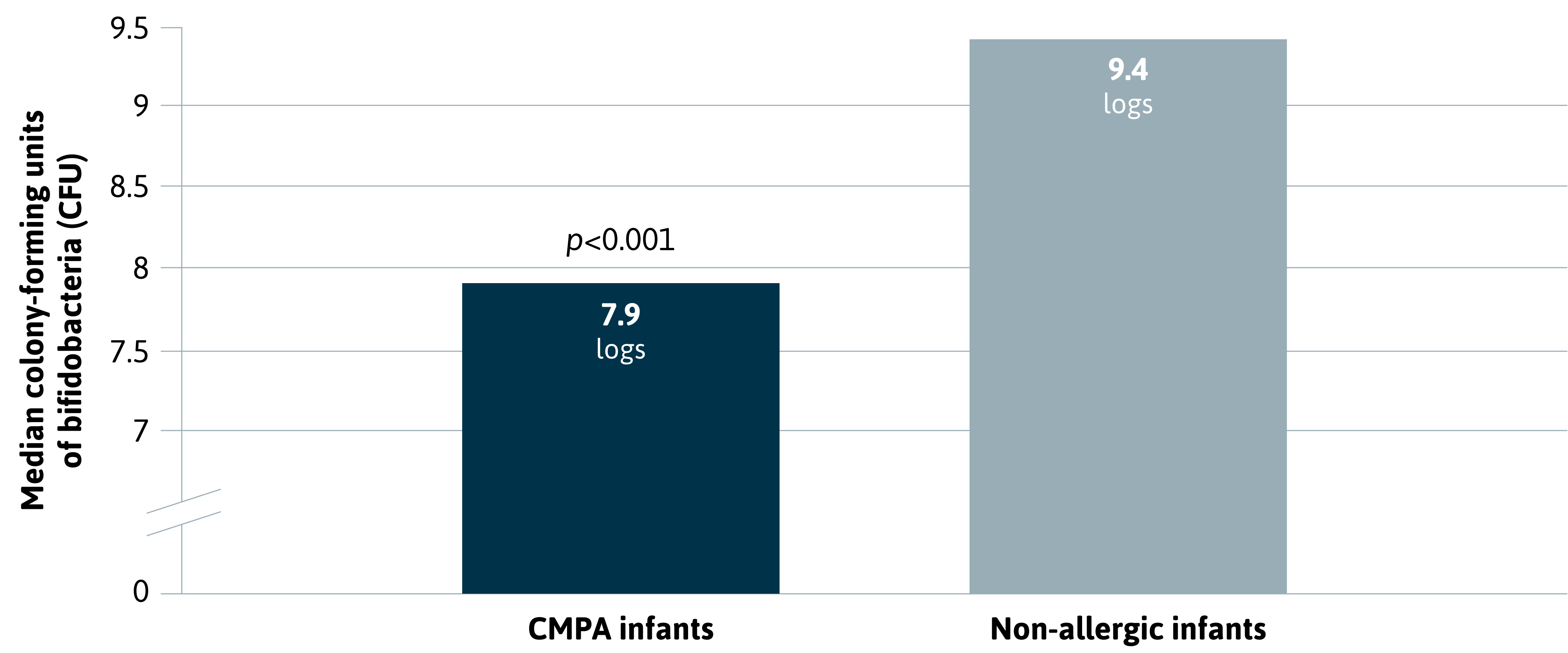
Adapted from Fields et al, 2016.⁸ *B. lactis*=*Bifidobacterium lactis*. MCT=Medium-chain triglycerides. Pregestimil is a registered trademark of Mead Johnson & Company.

Infants with CMPA have an altered microbiota, including decreased levels of bifidobacteria compared to non-allergic infants



Levels of bacteria

Colonization of *B. lactis*



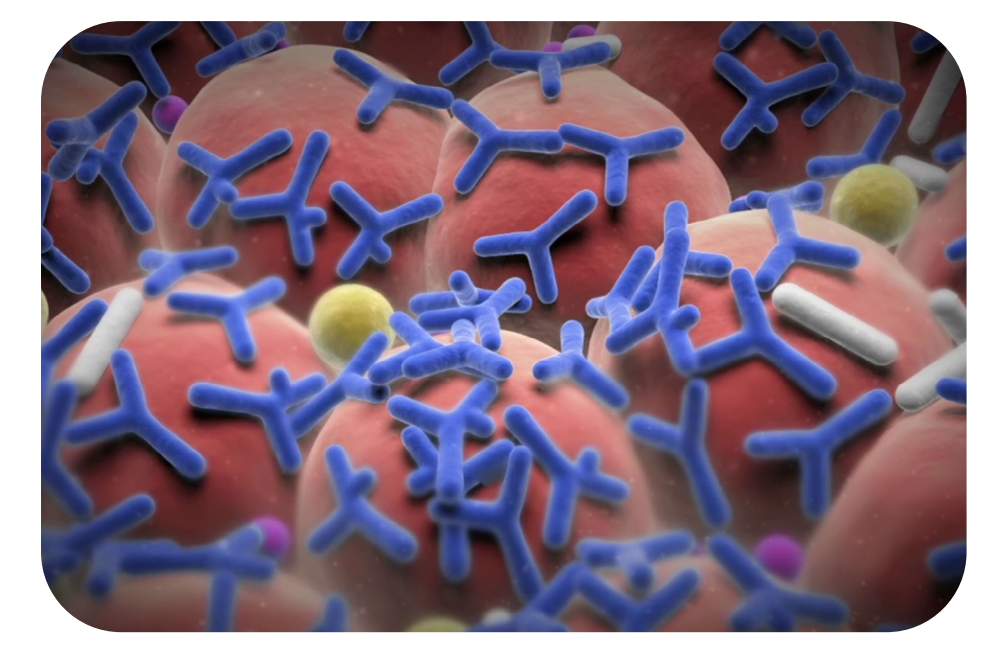
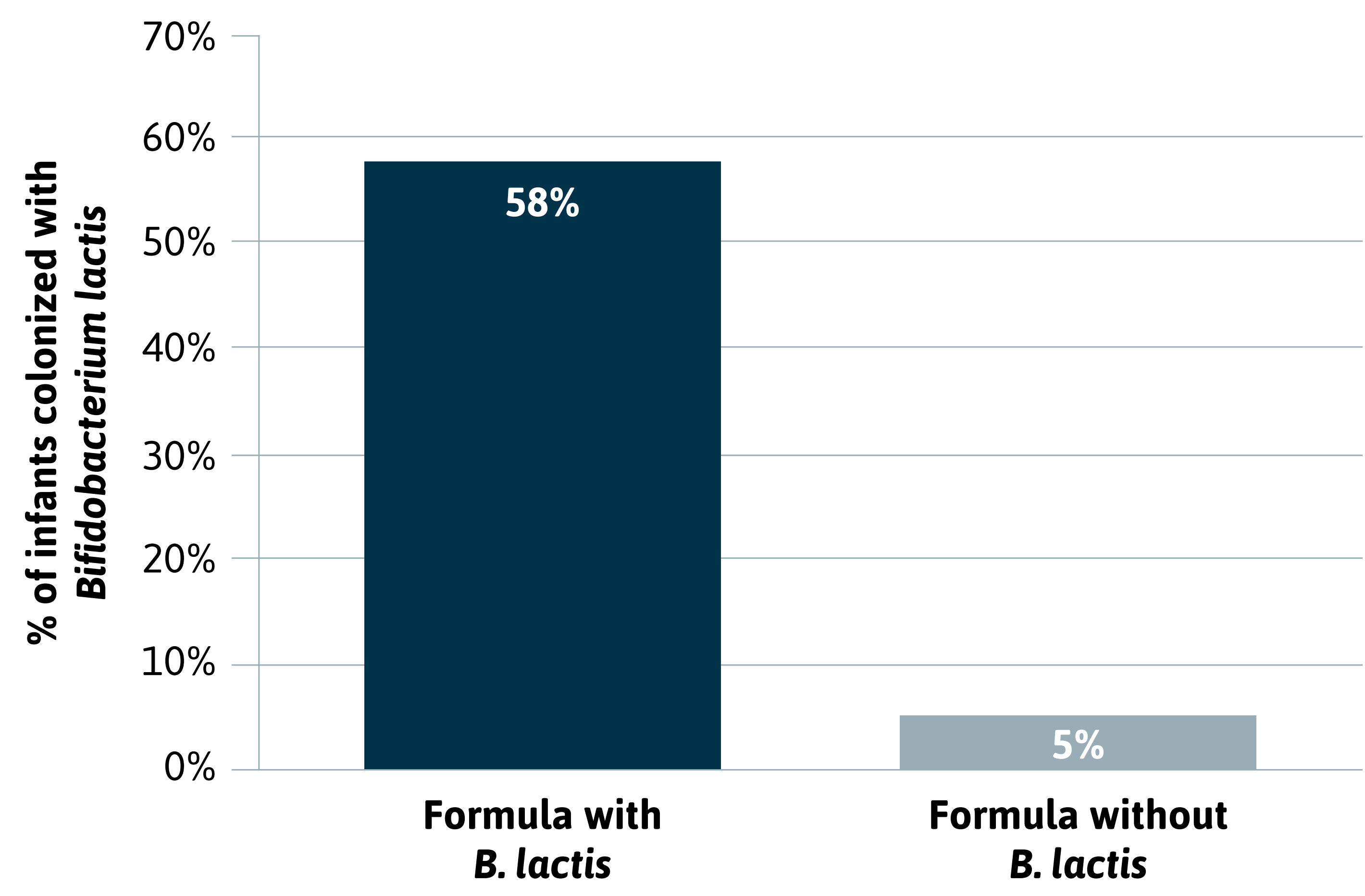
Adapted from Thompson-Chagoyan et al, 2010.⁹ At baseline, there were no significant differences in the proportions of bifidobacteria. After 6 months, the CMPA infant group had a lower proportion of bifidobacteria ($p<0.001$). Log= 10^x CFU (eg, $10^{7.9}$ CFU=100,000,000 or 100 million CFU and $10^{9.4}$ CFU=1,000,000,000 or 1 billion CFU). CMPA=Cow's milk protein allergy.



Probiotic B. lactis has been clinically shown to colonize the microbiota of infants with CMPA

Levels of bacteria

Colonization of *B. lactis*



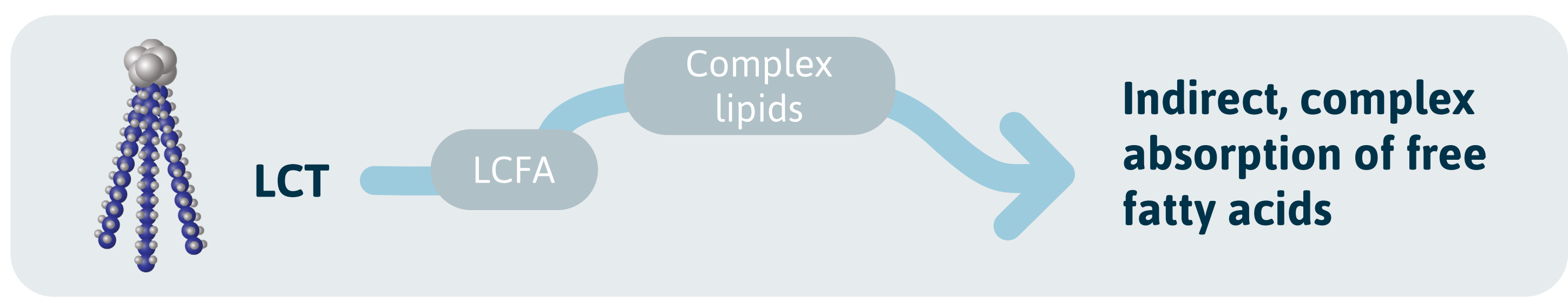
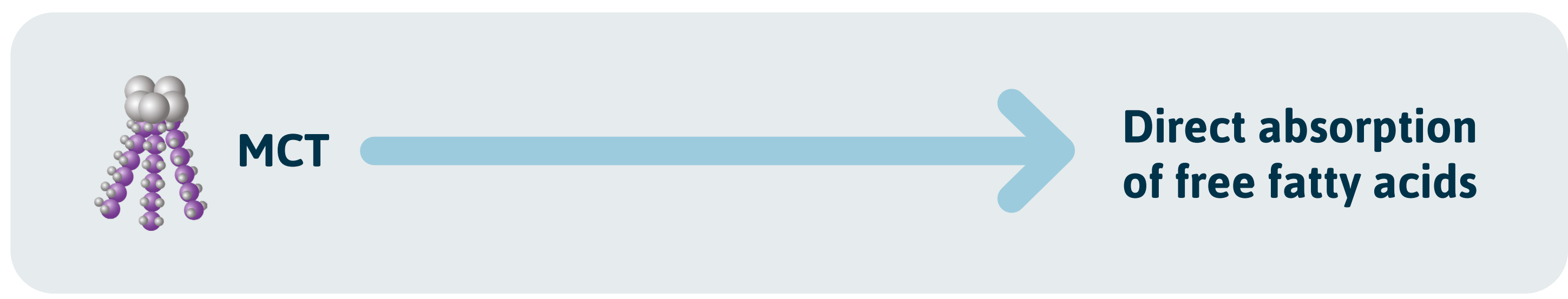
Adapted from Hol et al, 2008.¹⁰ *B. lactis*=*Bifidobacterium lactis*. CMPA=Cow's milk protein allergy.



Gerber® Good Start® Extensive HA® has MCT for fat malabsorption

MCT directly absorb into the enterocyte¹¹

- Do not require traditional fat metabolism
- Transported through the portal vein to the liver



In infants and children with GI problems, **100% whey protein extensively hydrolyzed formula with MCT** demonstrated nutritional adequacy as well as safety and tolerance¹²

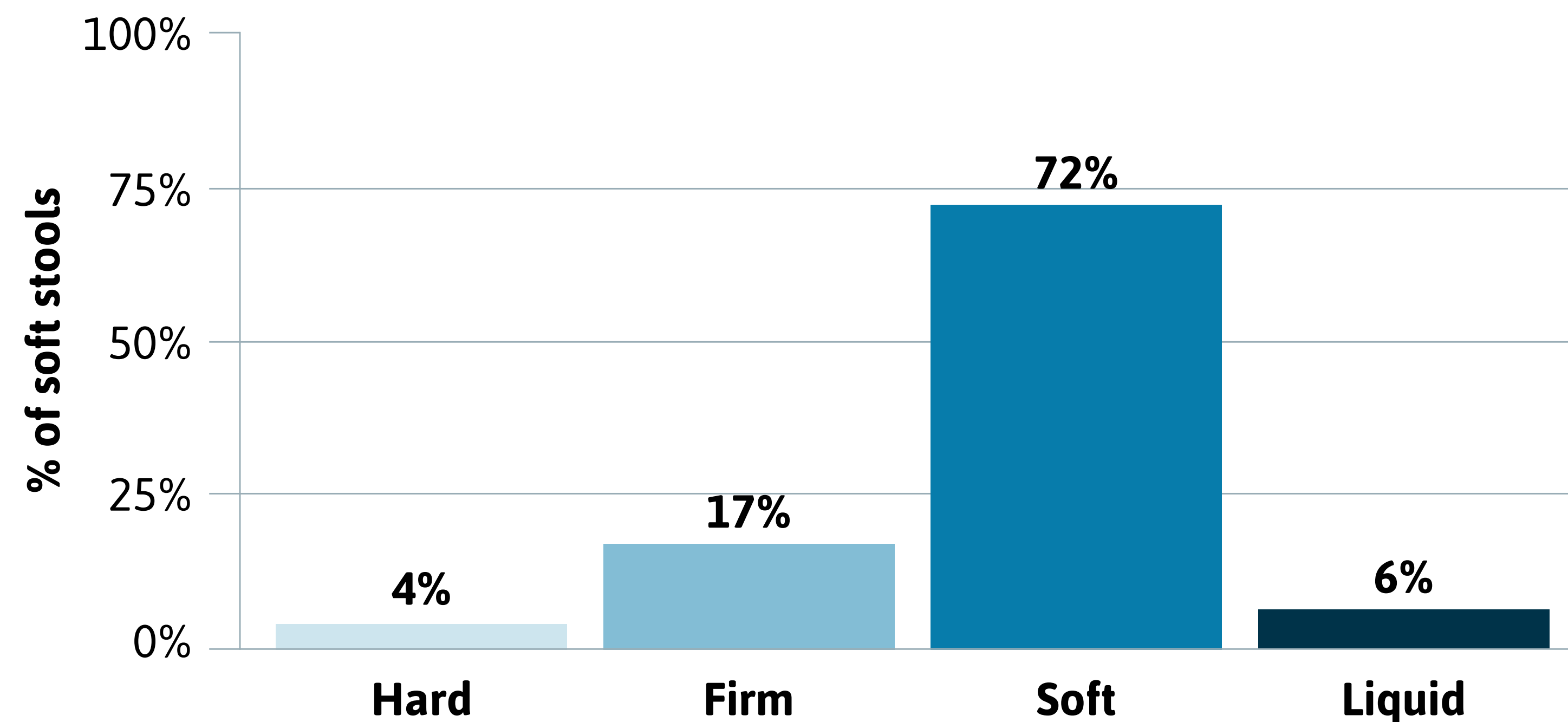
Gerber® Good Start® Extensive HA® is the ONLY hypoallergenic formula with 49% MCT for fat malabsorption, unlike Pregestimil®* or Similac® Alimentum®†

MCT=Medium-chain triglycerides. LCT=Long-chain triglycerides. LCFA=Long-chain fatty acids. GI=Gastrointestinal.
 *Pregestimil® contains 55% MCT of total fat. †Similac® Alimentum® contains 33% MCT of total fat.
 Pregestimil is a registered trademark of Mead Johnson & Company. Similac and Alimentum are registered trademarks of Abbott Laboratories.



Gerber® Good Start® Extensive HA® is clinically shown to promote digestive tolerance with more soft, less liquid or hard stools 📢

With probiotic *B. lactis*, MCT, and a lactose-free and sucrose-free carbohydrate blend to help achieve an osmolality of 220 mOsm/kg water



In this same clinical study, **0 infants in the Gerber® Good Start® Extensive HA® group had diaper rash** attributed to the study formula versus 10 in the control group^{8,13}

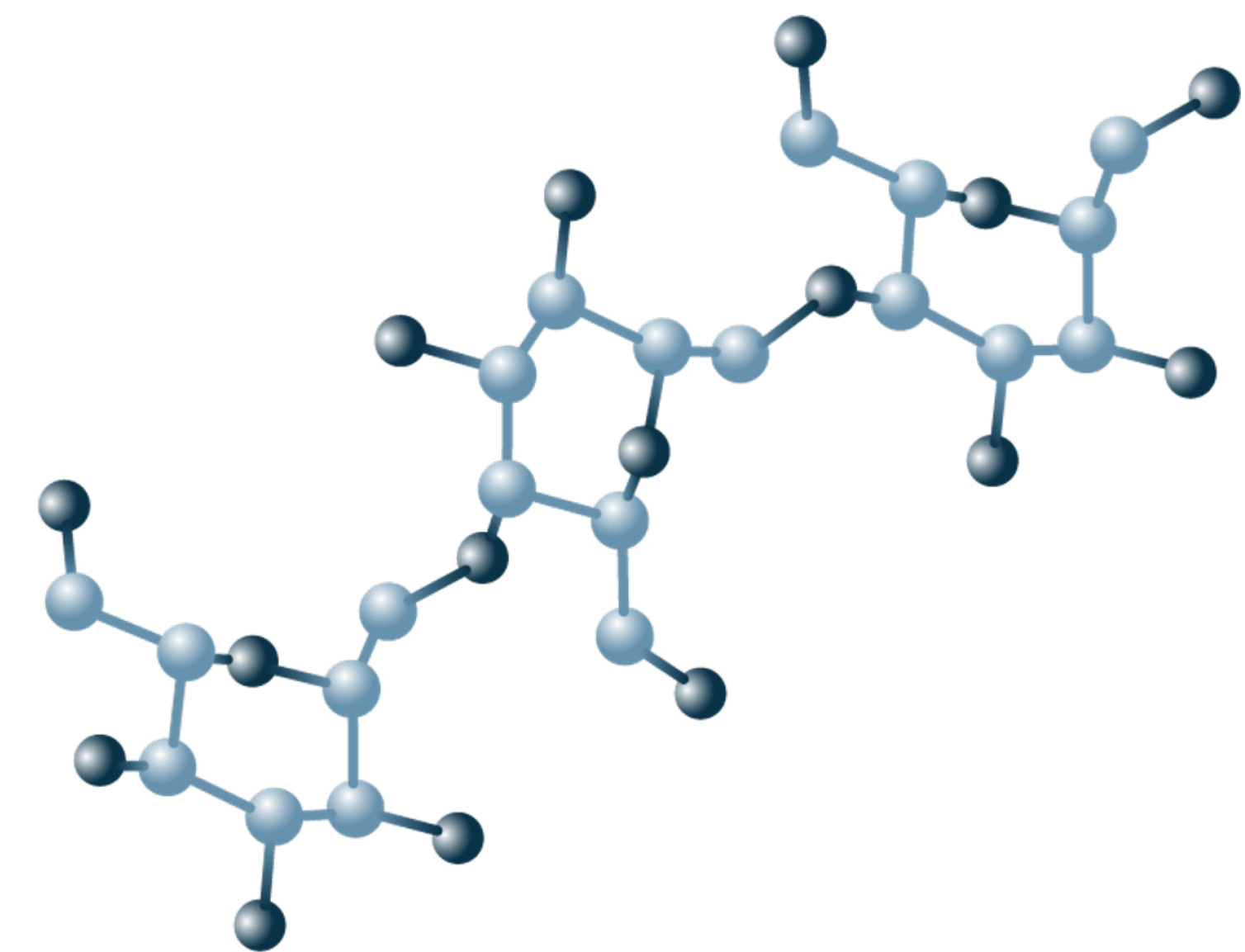
Gerber® Good Start® Extensive HA® is the ONLY hypoallergenic formula with an osmolality of 220 mOsm/kg water, designed to promote digestive tolerance

Adapted from Fields et al, 2016.⁸ *B. lactis*=*Bifidobacterium lactis*. MCT=Medium-chain triglycerides. Pregestimil is a registered trademark of Mead Johnson & Company.



Gerber® Good Start® Extensive HA® has a lactose-free and sucrose-free carbohydrate blend to help achieve an osmolality designed for digestive tolerance

- Osmolality is the number of particles in a solution
- Hydrolyzed proteins and carbohydrates in formula can affect osmolality
 - Extensively hydrolyzing the proteins increases the number of particles
 - Carbohydrates, like lactose, have many particles, while maltodextrin has fewer particles



Gerber® Good Start® Extensive HA® is the **ONLY** hypoallergenic formula with an osmolality of 220 mOsm/kg water, designed to promote digestive tolerance

Osmolality of blood and body fluids is ~300 mOsm/kg water. Breastmilk has an osmolality of ~300 mOsm/kg water. Most routine infant formulas have an osmolality of ~200–250 mOsm/kg water.

How does Gerber® Good Start® Extensive HA® compare to other specialized formulas?




	Gerber® Good Start® Extensive HA®	Nutramigen® with Enflora™ LGG®	Pregestimil®	Similac® Alimentum®
Scientifically designed for:				
CPMA & intolerance	✓	✓	✓	✓
Cow's milk-induced FPIES	✓	*	*	*
Soy protein sensitivity	✓	✓	✓	✓
Fat malabsorption	✓	✗	✓	✓
+ 100% whey protein extensively hydrolyzed	✓	✗	✗	✗
+ Probiotic <i>B. lactis</i>	✓	✗	✗	✗
+ MCT	✓	✗	✓	✓
+ DHA level at 0.32% of total fat	✓	✓	✓	✗
+ Lactose-free and sucrose-free carbohydrate blend	✓	✓	✓	✗
+ Osmolality of 220 mOsm/kg water	✓	✗	✗	✗
Non-GMO and halal	✓	✗	✗	✗

*While these formulas are hypoallergenic, cow's milk-induced FPIES is not specifically indicated in product labeling. CPMA=Cow's milk protein allergy. FPIES=Food protein-induced enterocolitis syndrome. MCT=Medium-chain triglycerides. DHA=Docosahexaenoic acid (World Health Organization recommended range of DHA is 0.2–0.36% of total fatty acids). Non-GMO=Made without the use of genetically engineered ingredients. *B. lactis*=*Bifidobacterium lactis*. LGG=*Lactobacillus* GG. AAP=American Academy of Pediatrics. Nutramigen, Enflora, and Pregestimil are trademarks of Mead Johnson & Company. LGG is a registered trademark of Chr. Hansen A/S. Similac and Alimentum are registered trademarks of Abbott Laboratories.





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	 Gerber® Good Start® Extensive HA®	Nutramigen® with Enflora™ LGG®	Pregestimil®	Similac® Alimentum®
Scientifically designed for:				
CMPA & intolerance				
Cow's milk-induced FPIES				
Soy protein sensitivity				
Fat malabsorption				
➔ 100% whey protein extensively hydrolyzed	100% whey protein extensively hydrolyzed and ultrafiltered for low residual allergenicity: <ul style="list-style-type: none">• Clinically proven to meet the AAP criteria for hypoallergenicity• Clinically shown to promote adequate growth	100% casein	100% casein	100% casein
+ Probiotic <i>B. lactis</i>				
+ MCT				
+ DHA level at 0.32% of total fat				
+ Lactose-free and sucrose-free carbohydrate blend				
+ Osmolality of 220 mOsm/kg water				
Non-GMO and halal				

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How does Gerber® Good Start® Extensive HA® compare to other specialized formulas?

 Gerber® Good Start® Extensive HA®		Nutramigen® with Enflora™ LGG®	Pregestimil®	Similac® Alimentum®
Scientifically designed for:				
CMPA & intolerance				
Cow's milk-induced FPIES				
Soy protein sensitivity				
Fat malabsorption				
+ 100% whey protein extensively hydrolyzed				
- Probiotic <i>B. lactis</i>		LGG®	No probiotic	No probiotic
+ MCT				
+ DHA level at 0.32% of total fat				
+ Lactose-free and sucrose-free carbohydrate blend				
+ Osmolality of 220 mOsm/kg water				
Non-GMO and halal				

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How does Gerber® Good Start® Extensive HA® compare to other specialized formulas?

	 Gerber® Good Start® Extensive HA®	Nutramigen® with Enflora™ LGG®	Pregestimil®	Similac® Alimentum®
Scientifically designed for:	49% MCT as part of total fat, for fat malabsorption			
CMPA & intolerance				
Cow's milk-induced FPIES				
Soy protein sensitivity				
Fat malabsorption				
+ 100% whey protein extensively hydrolyzed				
+ Probiotic <i>B. lactis</i>				
- MCT		0%	55%	33%
+ DHA level at 0.32% of total fat				
+ Lactose-free and sucrose-free carbohydrate blend				
+ Osmolality of 220 mOsm/kg water				
Non-GMO and halal				

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How does Gerber® Good Start® Extensive HA® compare to other specialized formulas?

 Gerber® Good Start® Extensive HA®		Nutramigen® with Enflora™ LGG®	Pregestimil®	Similac® Alimentum®
Scientifically designed for:	Expert-recommended amount of DHA at 0.32% of total fat , to support brain and eye development			
CMPA & intolerance				
Cow's milk-induced FPIES				
Soy protein sensitivity				
Fat malabsorption				
+ 100% whey protein extensively hydrolyzed				
+ Probiotic <i>B. lactis</i>				
+ MCT				
- DHA level at 0.32% of total fat		0.32%	0.32%	0.15%
+ Lactose-free and sucrose-free carbohydrate blend				
+ Osmolality of 220 mOsm/kg water				
Non-GMO and halal				

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How does Gerber® Good Start® Extensive HA® compare to other specialized formulas?

	 Gerber® Good Start® Extensive HA®	Nutramigen® with Enflora™ LGG®	Pregestimil®	Similac® Alimentum®
Scientifically designed for:	Maltodextrin, potato starch			
CMPA & intolerance				
Cow's milk-induced FPIES				
Soy protein sensitivity				
Fat malabsorption				
+ 100% whey protein extensively hydrolyzed				
+ Probiotic <i>B. lactis</i>				
+ MCT				
+ DHA level at 0.32% of total fat				
- Lactose-free and sucrose-free carbohydrate blend		Corn syrup solids, modified corn starch	Corn syrup solids, modified corn starch	Maltodextrin, sucrose
+ Osmolality of 220 mOsm/kg water				
Non-GMO and halal				

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How does Gerber® Good Start® Extensive HA® compare to other specialized formulas?

	 Gerber® Good Start® Extensive HA®	Nutramigen® with Enflora™ LGG®	Pregestimil®	Similac® Alimentum®
Scientifically designed for:	220 mOsm/kg water, designed to promote digestive tolerance			
CMPA & intolerance				
Cow's milk-induced FPIES				
Soy protein sensitivity				
Fat malabsorption				
+ 100% whey protein extensively hydrolyzed				
+ Probiotic <i>B. lactis</i>				
+ MCT				
+ DHA level at 0.32% of total fat				
+ Lactose-free and sucrose-free carbohydrate blend				
- Osmolality of 220 mOsm/kg water		300	320	320
Non-GMO and halal				

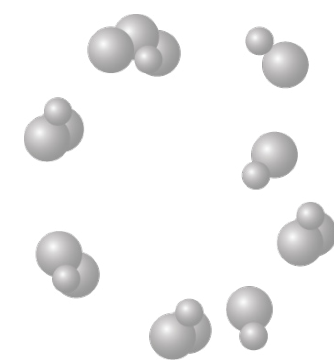
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Recommend Gerber® Good Start® Extensive HA®, the **ONLY** hypoallergenic formula with...

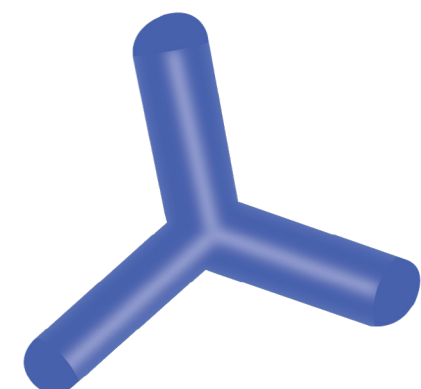


Also with expert-recommended amount of **DHA** to support brain and eye development



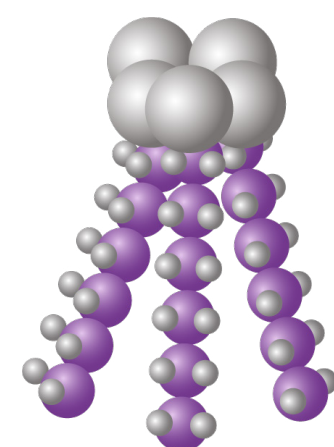
100% whey protein extensively hydrolyzed and ultrafiltered for low residual allergenicity

- Clinically proven to meet the AAP criteria for hypoallergenicity
- Clinically shown to promote adequate growth



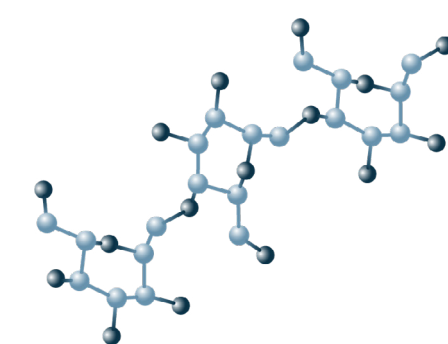
Probiotic *Bifidobacterium lactis* (*B. lactis*)

- Helps promote a balanced microbiota



Medium-chain triglycerides (MCT)

- For fat malabsorption



Lactose-free and sucrose-free carbohydrate blend of maltodextrin and potato starch

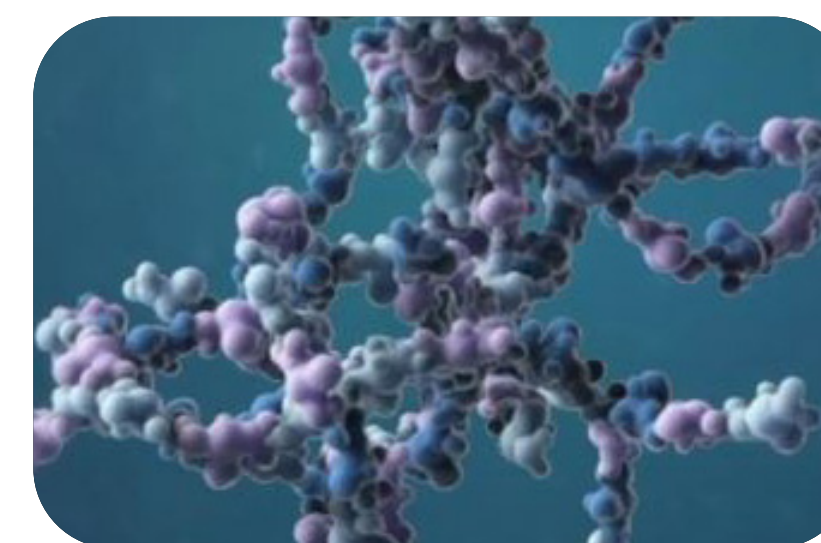
- Helps achieve an osmolality of 220 mOsm/kg water, designed to promote digestive tolerance

DHA=Docosahexaenoic acid (World Health Organization recommended range of DHA is 0.2–0.36% of total fatty acids). AAP=American Academy of Pediatrics. Unless otherwise indicated, all trademarks are owned by Société des Produits Nestlé S.A., Vevey, Switzerland, or used with permission. © 2021 Nestlé.

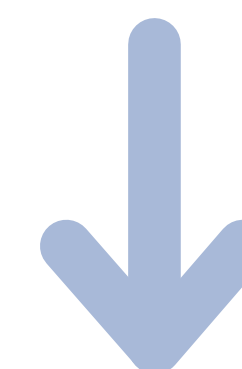
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Hypoallergenic

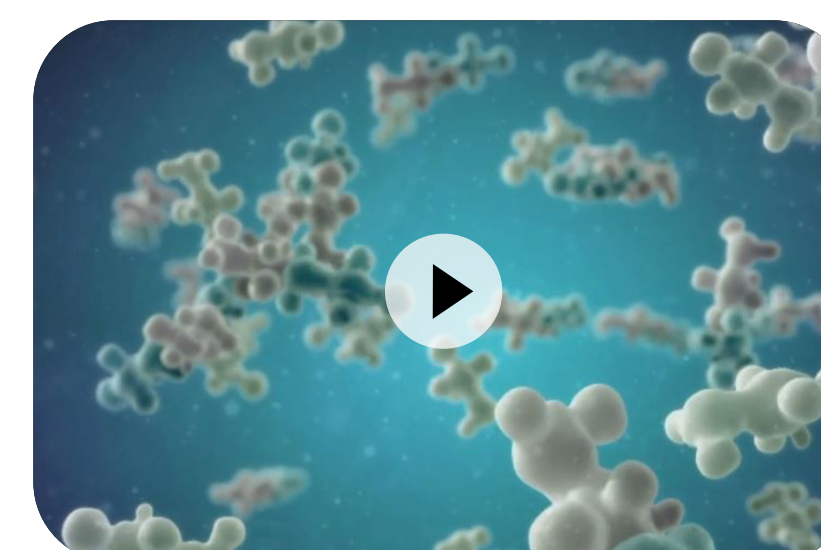
- Meets the AAP hypoallergenicity criteria¹
- Designed for low residual allergenicity while maintaining high quality protein
 - Extensively hydrolyzed and ultrafiltered protein
 - 80% small peptides and 20% amino acids
- Suitable for infants with cow's milk protein allergy & intolerance,^{2,3} cow's milk-induced FPIES, and soy protein sensitivity



~12,000 Daltons
Intact cow's milk protein



Enzymatic hydrolysis and ultrafiltration process

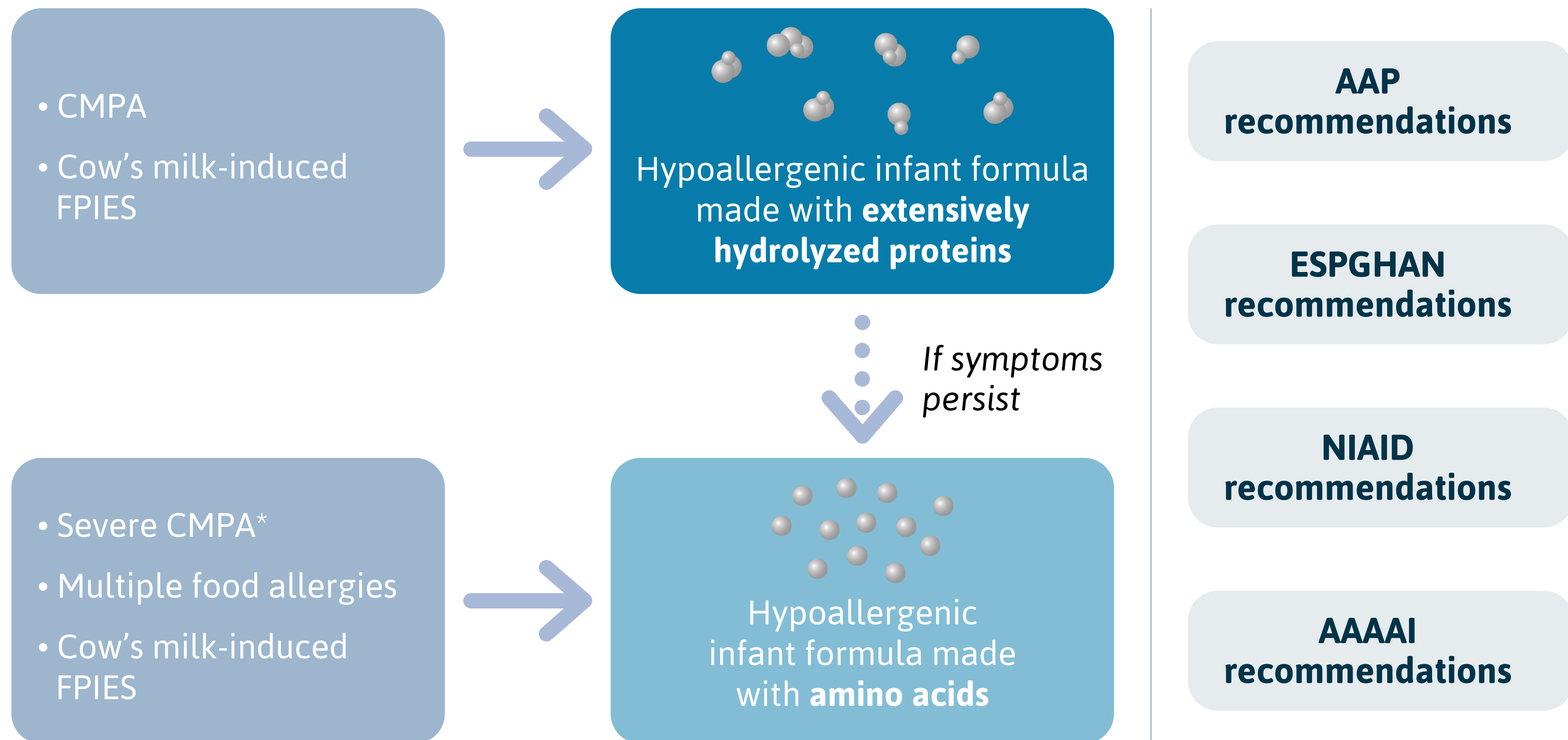


~351 Daltons
100% whey protein extensively hydrolyzed

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Guidelines for the dietary management of infants with CMPA and cow's milk-induced FPIES



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ESPGHAN=European Society of Paediatric Gastroenterology, Hepatology and Nutrition. NIAID=National Institute of Allergy and Infectious Disease.
AAAAI=American Academy of Allergy, Asthma & Immunology.

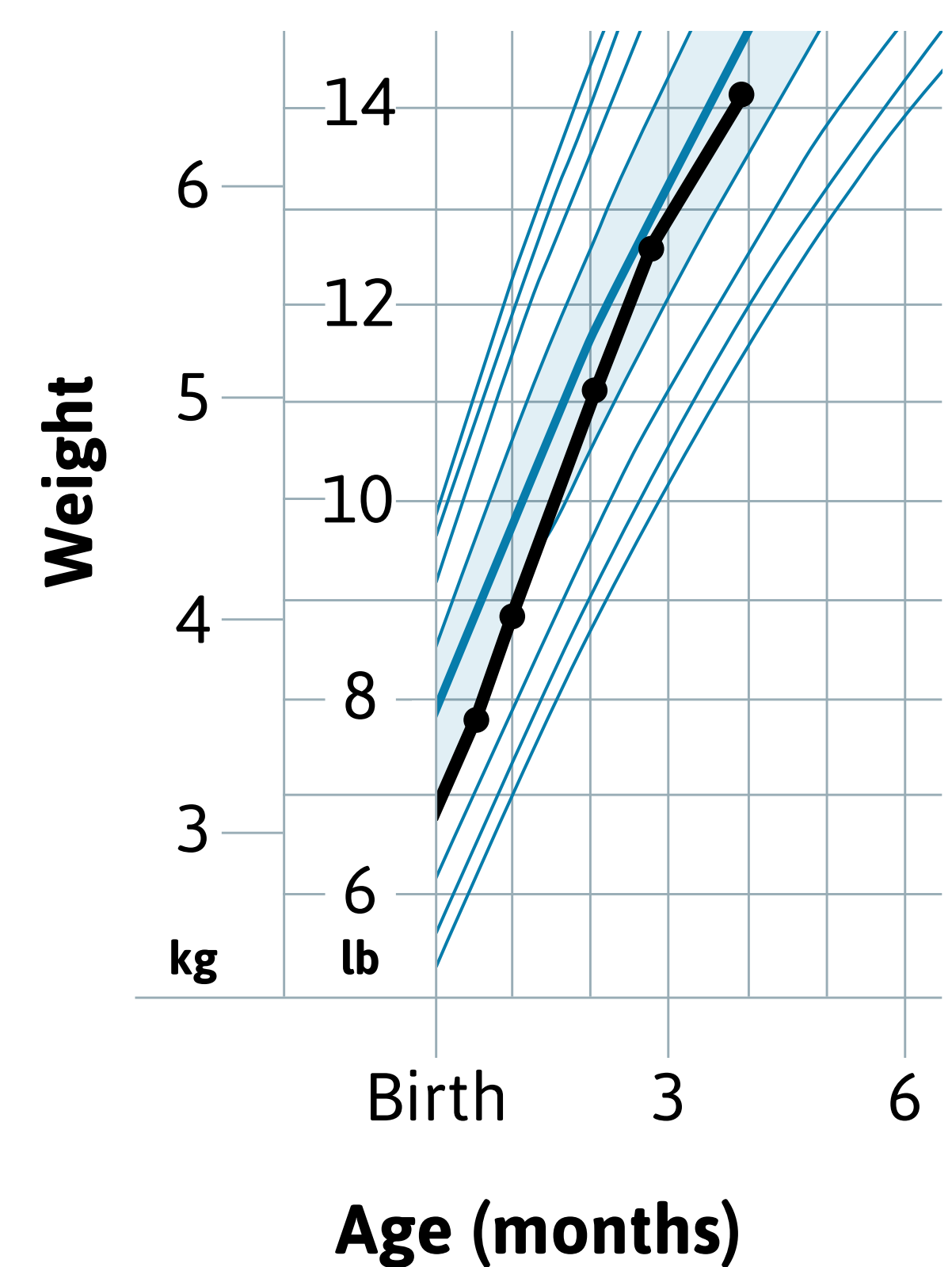


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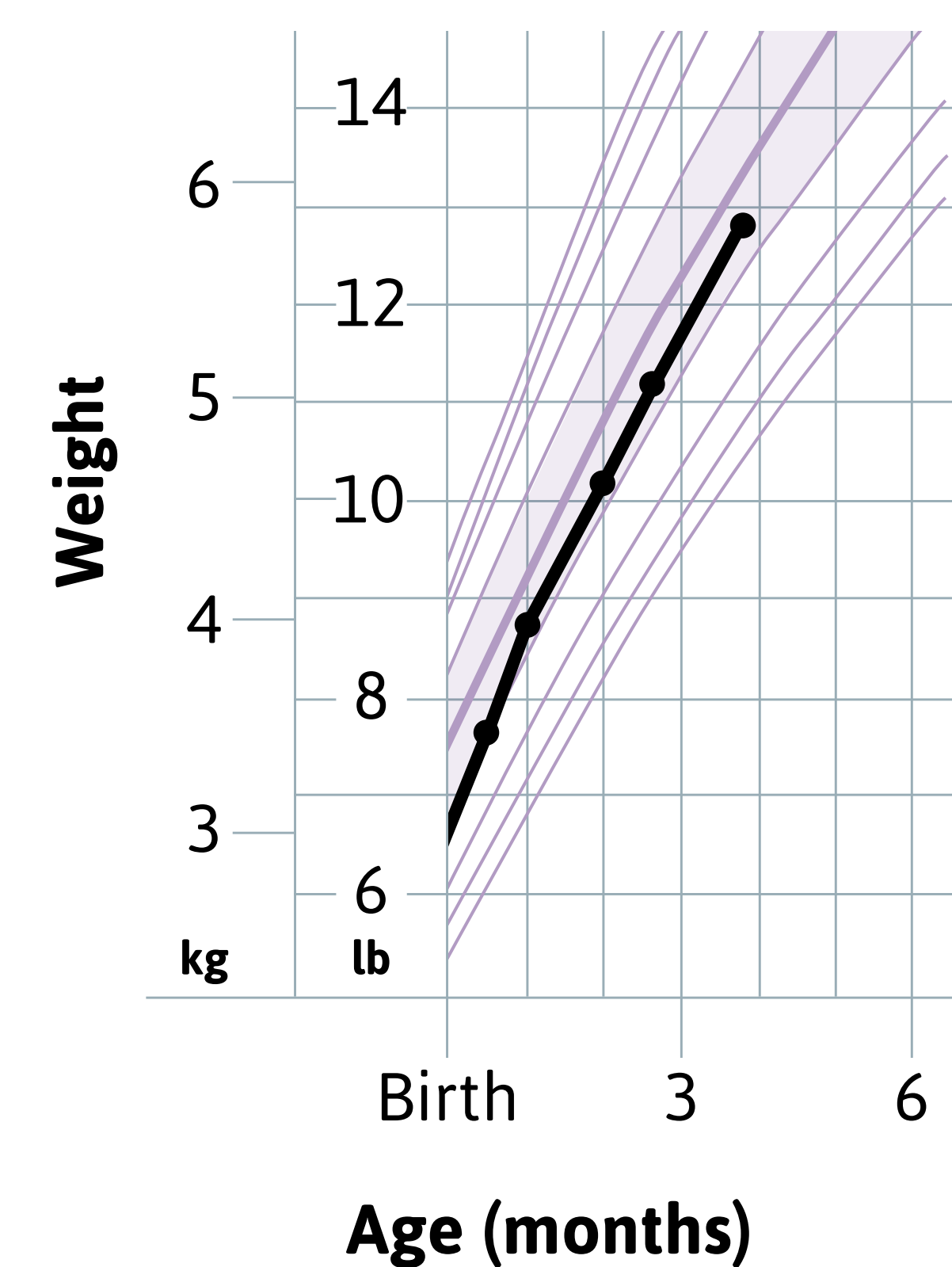
Hypoallergenic

Promotes adequate growth

Boys: Weight-for-age percentile



Girls: Weight-for-age percentile



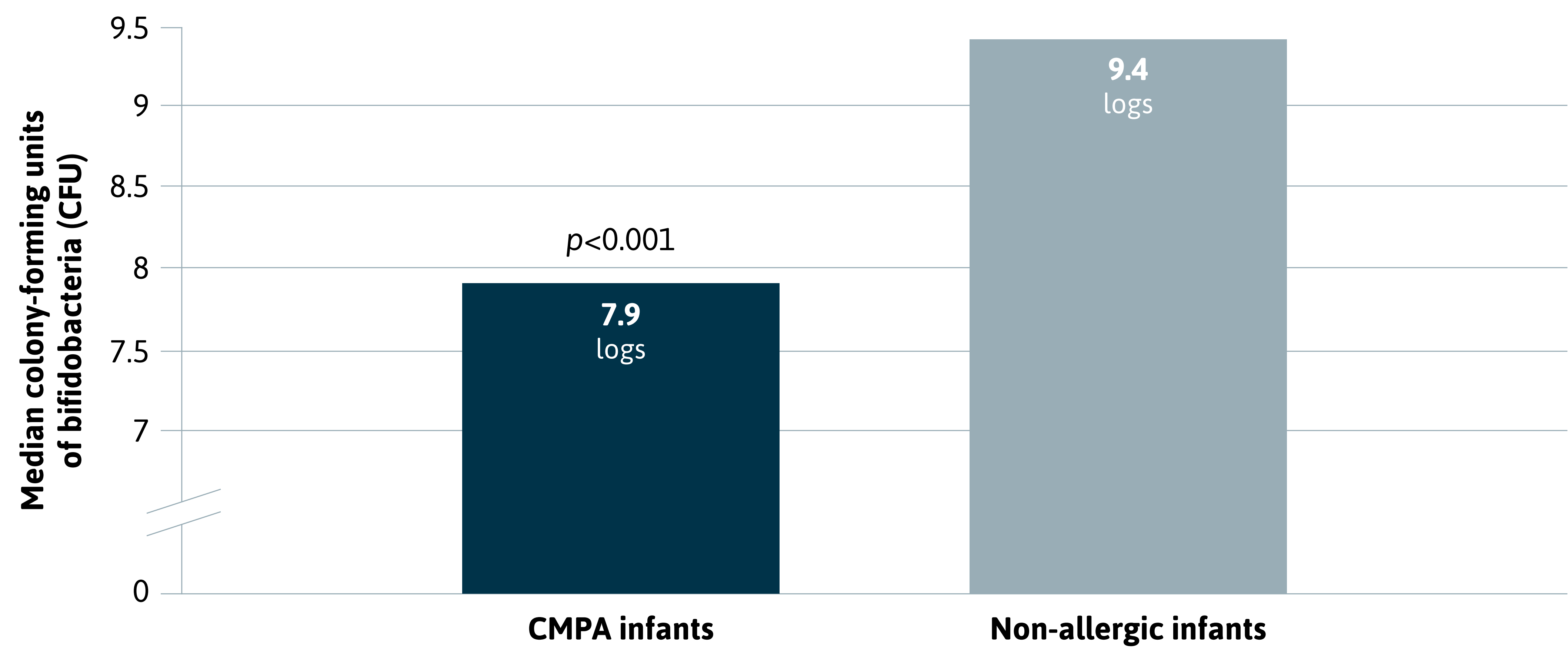
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Infants with CMPA have an altered microbiota, including decreased levels of bifidobacteria compared to non-allergic infants



Levels of bacteria



Colonization of *B. lactis*

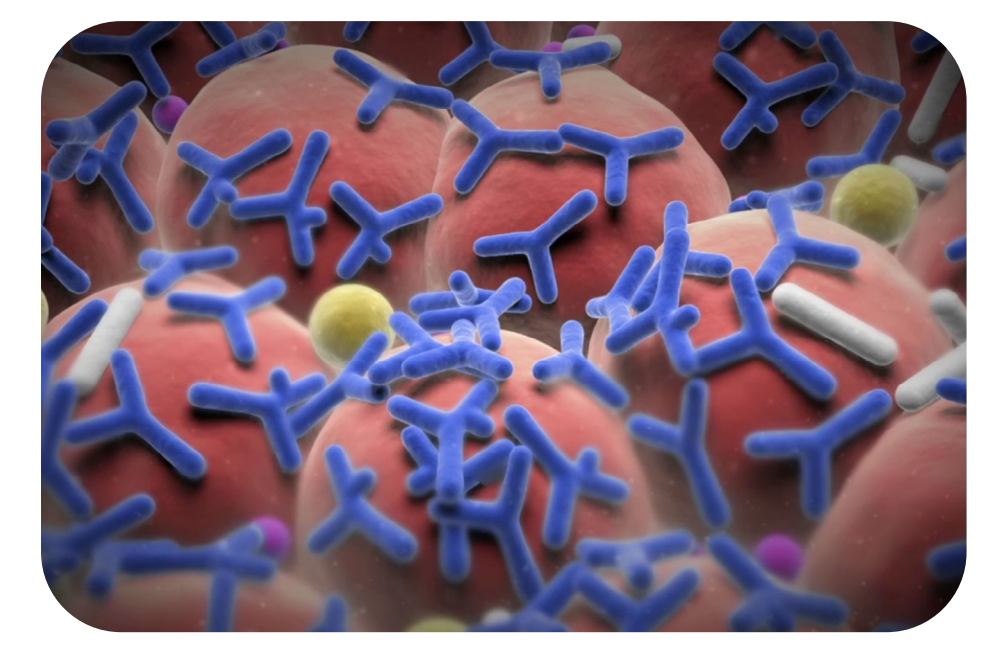
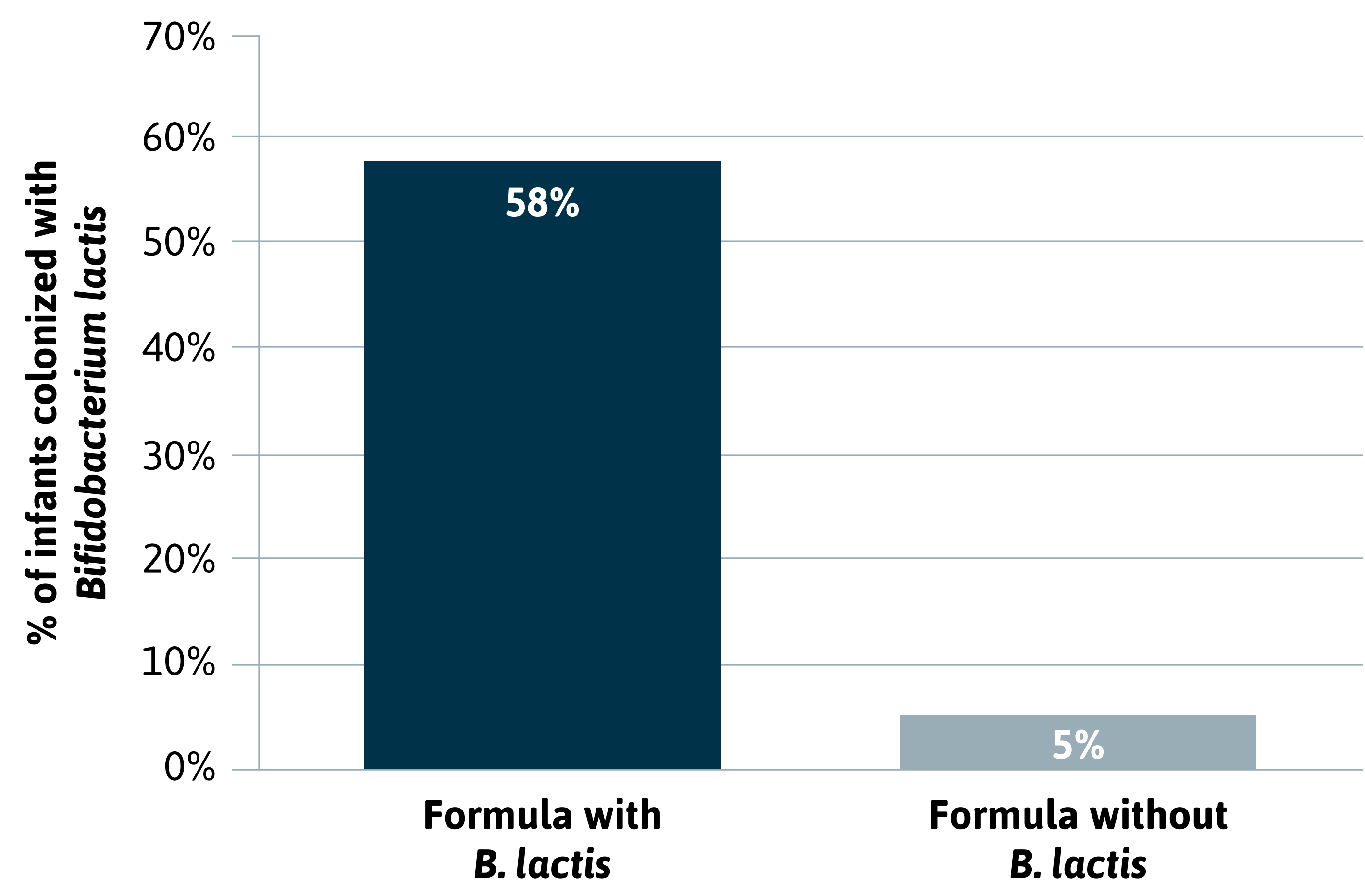
Adapted from Thompson-Chagoyan et al, 2010.⁹ At baseline, there were no significant differences in the proportions of bifidobacteria. After 6 months, the CMPA infant group had a lower proportion of bifidobacteria ($p < 0.001$). Log= 10^x CFU (eg, $10^{7.9}$ CFU=100,000,000 or 100 million CFU and $10^{9.4}$ CFU=1,000,000,000 or 1 billion CFU). CMPA=Cow's milk protein allergy.



Probiotic B. lactis has been clinically shown to colonize the microbiota of infants with CMPA

Levels of bacteria

Colonization of *B. lactis*



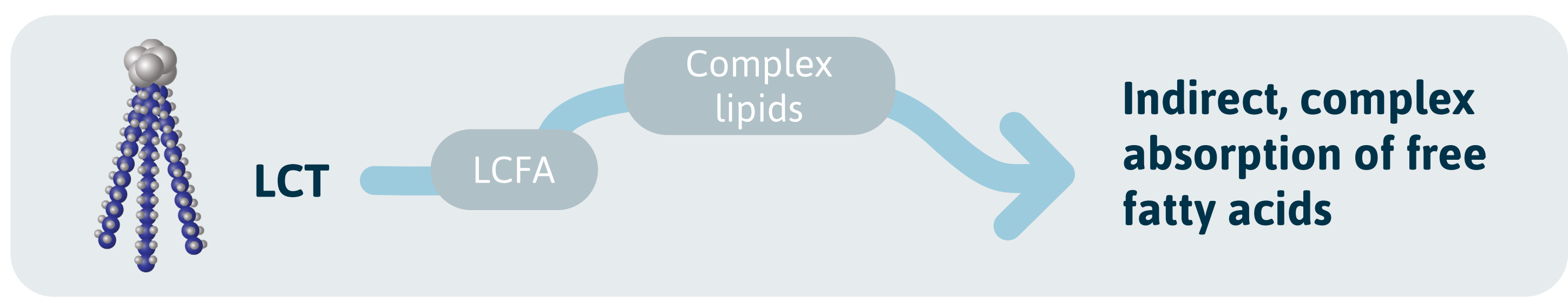
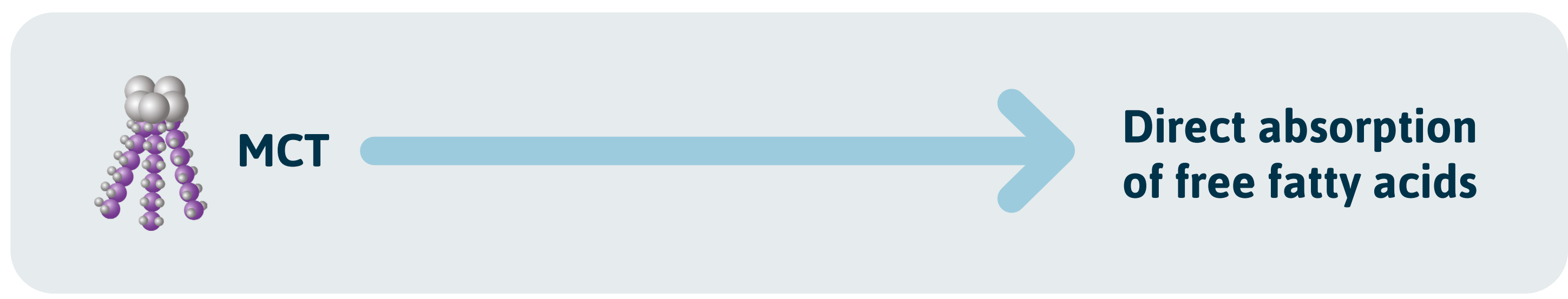
Adapted from Hol et al, 2008.¹⁰ *B. lactis*=*Bifidobacterium lactis*. CMPA=Cow's milk protein allergy.



Gerber® Good Start® Extensive HA® has MCT for fat malabsorption

MCT directly absorb into the enterocyte¹¹

- Do not require traditional fat metabolism
- Transported through the portal vein to the liver



In infants and children with GI problems, **100% whey protein extensively hydrolyzed formula with MCT** demonstrated nutritional adequacy as well as safety and tolerance¹²

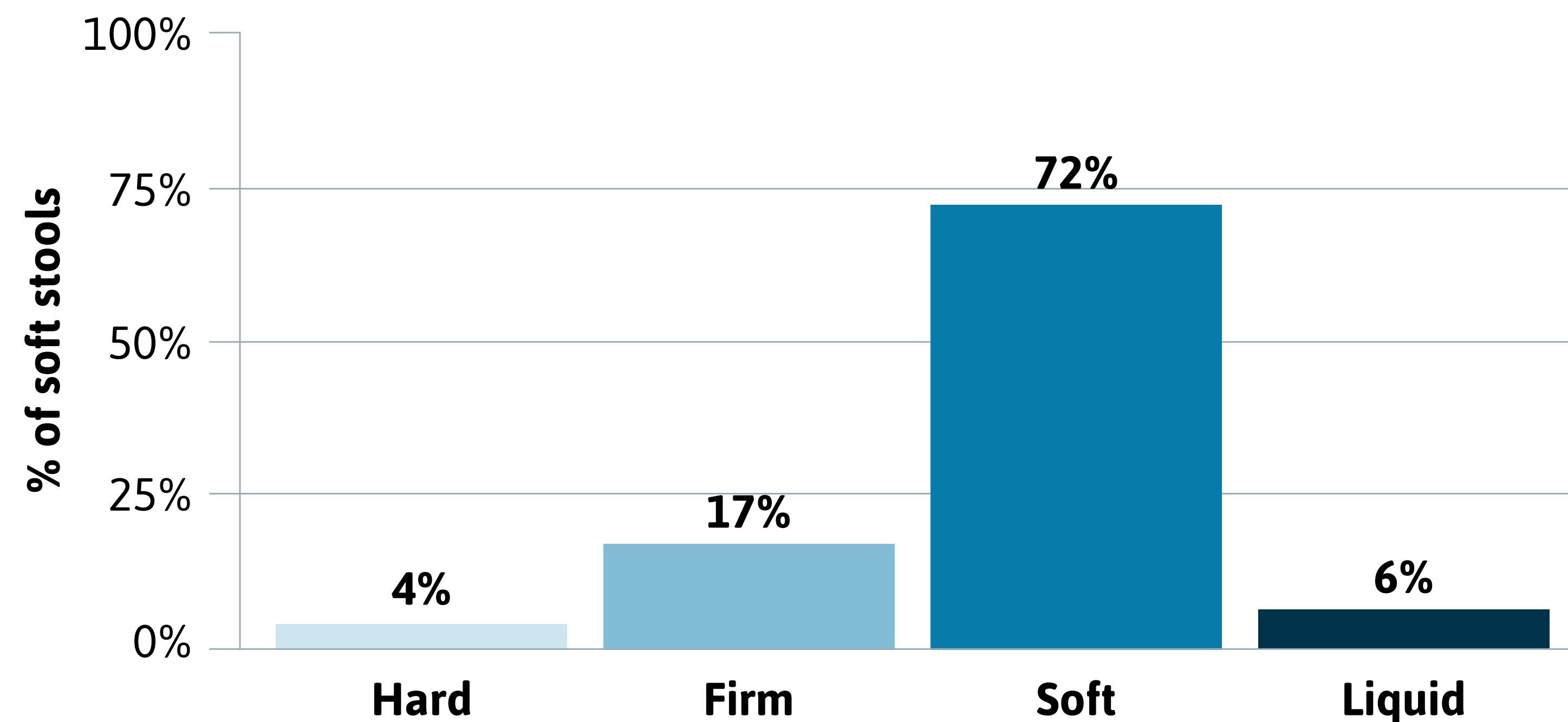
Gerber® Good Start® Extensive HA® is the ONLY hypoallergenic formula with 49% MCT for fat malabsorption, unlike Pregestimil®* or Similac® Alimentum®†

MCT=Medium-chain triglycerides. LCT=Long-chain triglycerides. LCFA=Long-chain fatty acids. GI=Gastrointestinal.
 *Pregestimil® contains 55% MCT of total fat. †Similac® Alimentum® contains 33% MCT of total fat.
 Pregestimil is a registered trademark of Mead Johnson & Company. Similac and Alimentum are registered trademarks of Abbott Laboratories.



Gerber® Good Start® Extensive HA® is clinically shown to promote digestive tolerance with more soft, less liquid or hard stools 📢

With probiotic *B. lactis*, MCT, and a lactose-free and sucrose-free carbohydrate blend to help achieve an osmolality of 220 mOsm/kg water



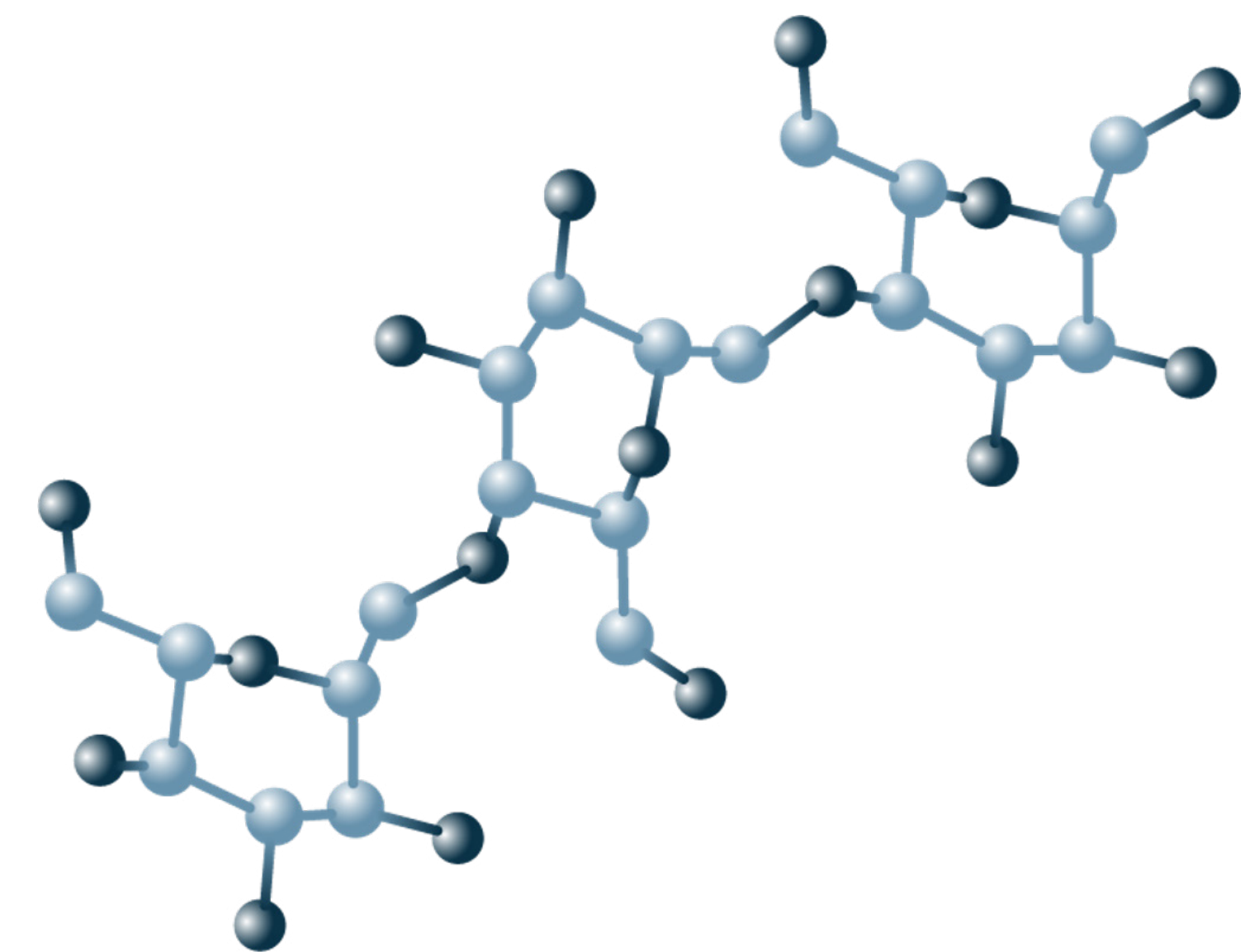
In this same clinical study, **0 infants in the Gerber® Good Start® Extensive HA® group had diaper rash** attributed to the study formula versus 10 in the control group^{8,13}

Gerber® Good Start® Extensive HA® is the ONLY hypoallergenic formula with an osmolality of 220 mOsm/kg water, designed to promote digestive tolerance

Adapted from Fields et al, 2016.⁸ *B. lactis*=*Bifidobacterium lactis*. MCT=Medium-chain triglycerides. Pregestimil is a registered trademark of Mead Johnson & Company.

Gerber® Good Start® Extensive HA® has a lactose-free and sucrose-free carbohydrate blend to help achieve an osmolality designed for digestive tolerance

- Osmolality is the number of particles in a solution
- Hydrolyzed proteins and carbohydrates in formula can affect osmolality
 - Extensively hydrolyzing the proteins increases the number of particles
 - Carbohydrates, like lactose, have many particles, while maltodextrin has fewer particles



Gerber® Good Start® Extensive HA® is the **ONLY** hypoallergenic formula with an osmolality of 220 mOsm/kg water, designed to promote digestive tolerance

Osmolality of blood and body fluids is ~300 mOsm/kg water. Breastmilk has an osmolality of ~300 mOsm/kg water. Most routine infant formulas have an osmolality of ~200–250 mOsm/kg water.