CLAIMS

What is claimed is:

1. An nutritional composition comprising:

   a carbohydrate source,

   a protein source, and

   a fat source comprising an enriched lipid fraction derived from milk.

2. The nutritional composition of claim 1, wherein the enriched lipid fraction further comprises saturated fatty acid from about 0.1 g/100 kcal to about 7.2 g/100 kcal.

3. The nutritional composition of claim 1, wherein the enriched lipid fraction further comprises trans-fatty acids from about 0.2 g/100 kcal to about 5.2 g/100 kcal.

4. The nutritional composition of claim 1, wherein the enriched lipid fraction further comprises BCFAs from about 0.3 g/100 kcal to about 6.1 g/100 kcal.

5. The nutritional composition of claim 1, wherein the enriched lipid fraction further comprises CLA from about 0.4 g/100 kcal to about 0.8 g/100 kcal.

6. The nutritional composition of claim 1, wherein the enriched lipid fraction further comprises cholesterol.

7. The nutritional composition of claim 6, wherein the enriched lipid fraction comprises cholesterol from about 10 mg/100 kcal to about 400 mg/100 kcal.

8. The nutritional composition of claim 1, wherein the enriched lipid fraction further comprises a phospholipid.

9. The nutritional composition of claim 1, wherein the enriched lipid fraction further comprises milk fat globule membrane proteins from about 50 mg/100 kcal to about 500 mg/100 kcal.

10. The nutritional composition of claim 1, further comprising DHA.

11. The nutritional composition of claim 1, further comprising at least one probiotic.

12. The nutritional composition of claim 1, further comprising at least one prebiotic.

13. The nutritional composition of claim 1, further comprising β-glucan.

14. The nutritional composition of claim 1, wherein the nutritional composition is an infant formula.

15. A nutritional composition, comprising per 100 kcal:

   (i) between about 6 g and about 22 g of a carbohydrate source;

   (ii) between about 1 g and about 7 g of a protein source;

   (iii) between about 1 g and about 10.3 g of a fat source, wherein the fat source comprises and enriched lipid fraction derived from milk.

16. A method of delivering lipid nutrition to a pediatric subject comprising providing a nutritional composition comprising a carbohydrate source, a protein source, and a fat source, wherein the fat source comprises an enriched lipid fraction derived from milk wherein the enriched lipid fraction is produced by a fractionation procedure.
17. The method of claim 16, wherein the enriched lipid fraction comprises cholesterol.
18. The method of claim 16, wherein the enriched lipid fraction comprises CLA.
19. The method of claim 16, wherein the enriched lipid fraction comprises BCFAs.
20. The method of claim 16, wherein the nutritional composition is an infant formula.

CLAIMS

What is claimed is:

1. An nutritional composition comprising:

    a carbohydrate source,

    a protein source, and

    a fat source comprising an enriched lipid fraction derived from milk,

    wherein the enriched lipid fraction further comprises saturated fatty acid from about 0.1 g/100 kcal to about 7.2 g/100 kcal.

2. The nutritional composition of claim 1, wherein the enriched lipid fraction further comprises trans-fatty acids from about 0.2 g/100 kcal to about 5.2 g/100 kcal.

3. The nutritional composition of claim 1, wherein the enriched lipid fraction further comprises BCFAs from about 0.3 g/100 kcal to about 6.1 g/100 kcal.

4. The nutritional composition of claim 1, wherein the enriched lipid fraction further comprises CLA from about 0.4 g/100 kcal to about 0.8 g/100 kcal.

5. The nutritional composition of claim 1, wherein the enriched lipid fraction further comprises cholesterol.

6. The nutritional composition of claim 5, wherein the enriched lipid fraction comprises cholesterol from about 10 mg/100 kcal to about 400 mg/100 kcal.

7. The nutritional composition of claim 1, wherein the enriched lipid fraction further comprises a phospholipid.

8. The nutritional composition of claim 1, wherein the enriched lipid fraction further comprises milk fat globule membrane proteins from about 50 mg/100 kcal to about 500 mg/100 kcal.

9. The nutritional composition of claim 1, further comprising DHA.

10. The nutritional composition of claim 1, further comprising at least one probiotic.

11. The nutritional composition of claim 1, further comprising at least one prebiotic.

12. The nutritional composition of claim 1, further comprising β-glucan.

13. The nutritional composition of claim 1, wherein the nutritional composition is an infant formula.

14. A nutritional composition, comprising per 100 kcal:

    (i) between about 6 g and about 22 g of a carbohydrate source;

    (ii) between about 1 g and about 7 g of a protein source;

    (iii) between about 1 g and about 10.3 g of a fat source, wherein the fat source comprises an enriched lipid fraction derived from milk,

wherein the enriched lipid fraction further comprises saturated fatty acid from about 0.1 g/100 kcal to about 7.2 g/100 kcal.