CLAIMS

What is claimed is:

1. Use of a nutritionally complete milk-based nutritional composition in the manufacture of a composition for reducing the occurrence of anxiety and depression-related behaviors in a pediatric subject, the nutritionally complete milk-based nutritional composition comprising:

(a) lactoferrin from a non-human source present at a level of about 70 mg/100 kcal to about 220 mg/100 kcal;

(b) a prebiotic component about 0.1 g/100 kcal to about 1 g/100 kcal, wherein the prebiotic component comprises polydextrose and a galactooligosaccharide, wherein the prebiotic component comprises at least 20% polydextrose; and

(c) at least one probiotic comprising *Lactobacillus rhamnosus* GG, wherein the probiotic is present at a level allowing for administration to the pediatric subject at about $1x10^4$ to $1x10^{10}$ cfu per kg body weight per day.

2. The use according to claim 1, wherein the lactoferrin is bovine lactoferrin.

3. The use according to claim 1, wherein the nutritional composition is an infant formula.

4. The use according to claim 1, wherein the nutritional composition additionally comprises about 3 g/100 kcal to about 7 g/100 kcal of fat source.

5. The use according to claim 1, wherein the nutritional composition additionally comprises about 1 g/100 kcal to about 5 g/100 kcal of a protein source.

6. The use according to claim 1, wherein the nutritional composition further comprises a source of long chain polyunsaturated fatty acids.

7. The use according to claim 6, wherein the source of long chain polyunsaturated fatty acids comprises docosahexaenoic acid.

8. The use according to claim 7, wherein the source of long chain polyunsaturated fatty acids further comprises arachidonic acid.

9. The use of claim 8, wherein the weight ratio of docosahexaenoic acid to arachidonic acid is from about 1:3 to about 9:1.

10. The use of claim 6, wherein the amount of long chain polyunsaturated fatty acid in the nutritional composition is from about 5 mg/100 kcal to about 100 mg/100 kcal.

CLAIMS

What is claimed is:

1. Use of a milk-based nutritional composition in the manufacture of a composition for reducing the incidence of necrotizing enterocolitis in an infant, wherein the milk-based nutritional composition comprises lactoferrin from a non-human source, wherein the lactoferrin is present at a level of 10 mg/100 kcal to 240 mg/100 kcal, and a prebiotic component comprising polydextrose and galacto-oligosaccharides, wherein the polydextrose comprises at least 20% w/w of the prebiotic component.

2. The use according to claim 1, wherein the prebiotic component is present at a level of 0.1 g/100 kcal to 1 g/100 kcal.

3. The use according to claim 1, wherein the lactoferrin is bovine lactoferrin.

4. The use according to claim 1, wherein the composition is an infant formula.

5. The use according to claim 1, wherein the composition additionally comprises 3 g/100 kcal to 7 g/100 kcal of a fat source.

6. The use according to claim 1, wherein the composition additionally comprises 1 g/100 kcal to 5 g/100 kcal of a protein source.

7. The use according to claim 1, wherein the composition additionally comprises at least one long chain polyunsaturated fatty acid comprising docosahexaenoic acid.

8. The use according to claim 7, wherein the composition further comprises arachidonic acid.

9. The use according to claim 8, wherein the composition comprises arachidonic acid and docosahexaenoic acid in a weight ratio between 1:3 to 9:1.

10. The use according to claim 1, wherein the composition additionally comprises at least one probiotic.

11. The use according to claim 10, wherein the at least one probiotic comprises *Lactobacillus rhamnosus GG* and is present in an amount of from 1×10^4 to 1.5×10^{10} cfu per 100 kcal.