the fortifier composition provides about 40% of the total nutrition. In another example, the human milk composition provides about 50% of the total nutrition and the fortifier composition provides about 50% of the total nutrition.

[0017a] In one aspect, the disclosure provides use of a human milk fortifier composition comprising a human protein constituent from 35 to 45 mg/ml and a human fat constituent from 80 to 100 mg/ml for the manufacture of a medicament for providing nutrition to a subject who is about to undergo or has undergone surgery, wherein the subject is a full-term infant.

[0017b] In one aspect, the disclosure provides use of a fortified human milk composition for the manufacture of a medicament for providing nutrition to a subject who is about to undergo or has undergone surgery, wherein the fortified human milk composition comprises human milk and human milk fortifier; wherein the fortified human milk composition comprises a human protein constituent from 10 to 30 mg/ml protein and a human fat constituent from 40 to 70 mg/ml fat; and wherein the subject is a full-term infant.

[0018] Human milk is defined as expressed breast milk or donor milk and its derivatives, human milk-based fortifier and human milk caloric fortifier. Standard human milk formulation include Prolact-RTF™, PROLACTPLUS™ PROLACT+4®, PROLACT+6®, PROLACT+8®, and/or PROLACT+10®, which are produced from human milk and contain various concentrations of nutritional components.

[0019] The disclosure features standardized human milk formulations or fortifiers, which are produced from human milk. Methods of making and using such compositions are also described herein. In some examples, standardized human milk formulations are supplemented with vitamins and/or minerals. In some examples, the standardized milk formulations are fed orally to subjects who are undergoing or have undergone surgery. The methods of generating these compositions are designed to optimize the amount of nutrients and calories in the compositions.

[0020] In some examples, the human milk compositions further comprise one or more constituents selected from the group consisting of: calcium, chloride, copper, iron, magnesium, manganese, phosphorus, potassium, selenium, sodium, and zinc.

[0021] In one example, the disclosure features a human milk fortifier composition comprising: a human protein constituent from about 35 mg/mL to about 45 mg/mL and a human fat constituent from about 80 mg/mL to about 100 mg/mL. In one example, the disclosure features a human milk fortifier composition comprising: a human protein constituent from about 35 mg/mL to about 42 mg/mL and a human fat constituent from about 84 mg/mL to about 95 mg/mL. In another example, the disclosure features a human milk fortifier composition comprising: a human protein constituent of about 37 to about 42 mg/mL and a human fat constituent of about 86 to about 94 mg/mL. In another example, the disclosure features a human milk fortifier composition comprising: a human protein constituent of about 39.2 mg/mL and a human fat constituent of about 94.5 mg/mL. The carbohydrate constituent can include additional lactose. In some examples, the composition further comprises one or more constituents selected from the group consisting of: calcium, chloride, copper, iron, magnesium, manganese, phosphorus, potassium, selenium, sodium, and zinc.

[0022] In one example, a method for obtaining a human milk composition is provided. In some examples, the method includes: (a) genetically screening human

What is claimed is:

1. Use of a human milk fortifier composition comprising a human protein constituent from 35 to 45 mg/ml and a human fat constituent from 80 to 100 mg/ml for the manufacture of a medicament for providing nutrition to a subject who is about to undergo or has undergone surgery, wherein the subject is a full-term infant.
2. The use of claim 1, wherein the human milk fortifier composition comprises a human protein constituent from 37 to 42 mg/ml and a human fat constituent from 86 to 94 mg/ml.
3. The use of claim 1, wherein the human milk fortifier composition comprises a human protein constituent from 35 to 42 mg/ml protein and a human fat constituent from 84 to 95 mg/ml.
4. The use of any one of claims 1-3, wherein the human milk fortifier composition can further comprise one or more constituents selected from the group consisting of: calcium, chloride, copper, iron, magnesium, manganese, phosphorus, potassium, selenium, sodium, and zinc.
5. Use of a fortified human milk composition for the manufacture of a medicament for providing nutrition to a subject who is about to undergo or has undergone surgery, wherein the fortified human milk composition comprises human milk and human milk fortifier; wherein the fortified human milk composition comprises a human protein constituent from 10 to 30 mg/ml protein and a human fat constituent from 40 to 70 mg/ml fat; and wherein the subject is a full-term infant.
6. The use of claim 5, wherein the fortified human milk composition can further comprise one or more constituents selected from the group consisting of: calcium, chloride, copper, iron, magnesium, manganese, phosphorus, potassium, selenium, sodium, and zinc.
7. The use of any one of claims 1-6, wherein the subject has undergone surgery.
8. The use of any one of claims 1-7, wherein the infant is 7 days old or younger.
9. The use of any one of claims 1-8, wherein the surgery is performed to correct a congenital heart defect.
10. The use of claim 9, wherein the congenital heart defect is single ventricle physiology.
11. The use of claim 9, wherein the congenital heart defect is hypoplastic left heart syndrome.

12. The use of any one of claims 1-8, wherein the surgery is performed to correct a congenital intestinal defect.
13. The use of claim 12, wherein the congenital intestinal defect comprises gastroschisis or omphalocele.