11. The nutritional composition according to claim 10, wherein the β-glucan source comprises β-1,3;1,6-glucan.

12. The nutritional composition according to claim 10, wherein the composition is nutritionally complete.

13. The nutritional composition according to claim 10 further comprising at least one probiotic.

14. The nutritional composition according to claim 10, further comprising at least one prebiotic.

15. The nutritional composition according to claim 10, further comprising the administration of at least one long chain polyunsaturated fatty acid.

16. The nutritional composition according to claim 15, wherein the long chain polyunsaturated fatty acid is selected from the group consisting of docosahexaenoic acid, arachidonic acid, or combinations thereof.

~~17. A method for enhancing immune system function in a pediatric subject comprising administering to the pediatric subject a milk-based formula comprising microparticulate β-1,3-glucan derived from yeast.~~

~~18. The method according to claim 17, wherein the β-glucan is β-1,3;1,6-glucan.~~