

the group consisting of milk permeate and whey permeate;

(b) a nutritionally effective amount of an additive selected from the group consisting of short-chain polypeptides, amino acids, and a combination thereof; and

(c) a hypoallergenic milk chocolate prepared with hypoallergenic milk.

43. A milk product according to claim 42 wherein said amino acids or polypeptides, or both, are derived from at least one component selected from the group consisting of casein, soy flour and lactalbumin.

44. A milk product according to claim 42 wherein said permeate contains molecules having a molecular weight less than or equal to about 3.5 kDa.

45. A milk product according to claim 44 wherein said permeate substance is substantially free of protein of animal origin as determined by the substantial absence of protein bands upon sodium dodecyl sulfate polyacrylamide gel electrophoresis and silver staining.

46. A milk product according to claim 44 wherein said permeate contains molecules having a molecular weight less than or equal to about 2.0 kDa.

47. A milk product according to claim 46 wherein said permeate contains molecules having a molecular weight less than or equal to about 2.0 kDa.

48. An improved in a process for obtaining palatable milk for human consumption from milk-producing cows which have been treated with veterinary medications, said improvement comprising the steps of:

(a) obtaining a milk component from a milkproducing cow which has been treated with veterinary medications;

(b) filtering the milk component through a filtration medium which will allow molecules with a molecular weight of less than or equal to about 5 kDa to pass therethrough; and

(c) collecting the permeate from the filtration step, said permeate having a concentration of veterinary medications substantially less than the concentration of veterinary medications present in an unfiltered milk component.

49. A process according to claim 48 wherein said permeate substance is prepared by supplementing said milk component with polypeptides or amino acids, or both, prior to step (b).

50. A milk product according to claim 48 wherein said amino acids or polypeptides, or both, are derived

from at least one component selected from the group consisting of casein, soy flour and lactalbumin.

51. A process according to claim 48 wherein said permeate contains molecules having a molecular weight less than or equal to about 3.5 kDa.

52. A milk product according to claim 51 wherein said permeate is substantially free of protein of animal origin as determined by the substantial absence of protein bands upon sodium dodecyl sulfate polyacrylamide gel electrophoresis and silver staining.

53. A process according to claim 51 wherein said permeate contains molecules having a molecular weight less than or equal to about 2.0 kDa.

54. A process according to claim 53 wherein said permeate contains molecules having a molecular weight less than or equal to about 1.0 kDa.

55. A palatable hypoallergenic milk product obtained from milk-producing cows which have been treated with veterinary medications, said product comprising:

(a) a permeate substance substantially free of allergenic protein, said permeate containing molecules having a molecular weight less than or equal to about 5 kDa, said permeate being selected from the group consisting of milk permeate and whey permeate, and said permeate having a concentration of veterinary medications substantially less than the concentration of veterinary medications present in an unfiltered milk component; and

(b) a nutritionally effective amount of an additive selected from the group consisting of short-chain polypeptides, amino acids, and a combination thereof.

56. A milk product according to claim 55 wherein said amino acids or polypeptides, or both, are derived from at least one component selected from the group consisting of casein, soy flour and lactalbumin.

57. A milk product according to claim 55 wherein said permeate contains molecules having a molecular weight less than or equal to about 3.5 kDa.

58. A milk product according to claim 57 wherein said permeate is substantially free of protein of animal origin as determined by the substantial absence of protein bands upon sodium dodecyl sulfate polyacrylamide gel electrophoresis and silver staining.

59. A milk product according to claim 57 wherein said permeate contains molecules having a molecular weight less than or equal to about 2.0 kDa.

60. A milk product according to claim 59 wherein said permeate contains molecules having a molecular weight less than or equal to about 1.0 kDa.

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