

THE EMBODIMENTS OF THE INVENTION IN WHICH AN EXCLUSIVE PROPERTY OR PRIVILEGE IS CLAIMED ARE DEFINED AS FOLLOWS:

1. The use of a substantially undenatured whey protein concentrate in the treatment of HIV-seropositive individuals in an amount sufficient to elevate blood mononuclear cells glutathione content, body weight and sense of well being.
2. The use of a substantially undenatured whey protein concentrate in the treatment of HIV-seropositive individuals in an amount sufficient to elevate their T-helper cells concentration and their T-helper cells/T-suppressor cells ratio.
3. The use of a substantially undenatured whey protein concentrate, comprising substantially all the heat labile whey protein contained in raw milk, in an amount effective to increase the blood mononuclear cell glutathione concentration and maintain or increase body weight in a HIV-seropositive individual.
4. A use as in any one of claims 1 to 3, wherein the substantially undenatured whey protein concentrate comprises a whey protein isolate mixture selectively increased in one or more of the heat labile proteins of the source milk.
5. A use as in any one of claims 1 to 3 in which the whey protein concentrate comprises substantially all heat labile whey proteins of the source milk with glutamylcysteine groups and disulphide intramolecular bonds.
6. A use as in any one of claims 1 to 5 in which the undenatured whey protein concentrate has a solubility index at pH 4.6 of 99%.
7. A use as in any one of claims 1 to 6 in which the undenatured whey protein concentrate has a protein composition comprising beta-lactoglobulin 59.1 ± 4.0 , alpha lactalbumin 6.6 ± 0.7 , serum albumin 9.7 ± 1.0 , and immunoglobulin 24.6 ± 2.6 .

8. A use as in any one of claims 1 to 7 in which the amount of undenatured whey protein concentrate administered daily is in the range of about 8 to 40 grams daily.
9. A use as in claim 8 in which the range is about 20 to 40 grams daily.
10. A use as in claim 8 in which the range is about 30 to 40 grams daily.
11. A use as in any one of claims 1 to 10, in which the undenatured whey protein concentrate has a serum albumin level of at least 9.5%.
12. A use as in any one of claims 1 to 11 in which the substantially undenatured whey protein concentrate comprises substantially all the glutamylcysteine group containing proteins which are contained in raw milk.
13. The use of a substantially undenatured whey protein concentrate, in an amount effective to increase the blood mononuclear cell glutathione concentration and maintain or increase body weight in an HIV-seropositive individual.
14. A use as in any one of claims 1 to 5 or 13, in which the substantially undenatured whey protein concentrate has a solubility index at pH 4.6 of at least in the range from 90% to 95%.
15. A use as in any one of claims 1 to 5 or 13 in which the whey protein concentrate has a bovine serum albumin level of at least 9.5% of the whey protein mixture.
16. A use as in any one of claims 1 to 5 or 13 in which the whey protein concentrate has a bovine serum albumin level of at least 7% or more of the whey protein mixture.
17. A composition for the treatment of HIV seropositive individuals comprising a substantially undenatured whey protein concentrate in an amount sufficient to elevate

- blood mononuclear cell glutathione concentration, body weight and sense of well being, and an enterically acceptable carrier.
18. A composition for the treatment of HIV seropositive individuals comprising a substantially undenatured whey protein concentrate in an amount sufficient to elevate their T-helper cells concentration and their T-helper cells/T-suppressor cells ratio, and an enterically acceptable carrier.
 19. A composition for the treatment of HIV seropositive individuals comprising a substantially undenatured whey protein concentrate comprising substantially all the heat labile whey protein contained in raw milk, in an amount effective to increase the blood mononuclear cell glutathione concentration and maintain or increase body weight in an HIV sero-positive individual and an enterically acceptable carrier.
 20. A composition as in claim 17 to 19 wherein the substantially undenatured whey protein concentrate comprises a whey protein isolate mixture selectively increased in one or more of the heat labile proteins of the source milk.
 21. A composition as in any one of claims 17 to 19 in which the whey protein concentrate comprises substantially all heat labile whey proteins of the source milk with glutamylcysteine groups and disulphide intramolecular bonds.
 22. A composition as in any one of claims 17 to 21 in which the undenatured whey protein concentrate has a solubility index at pH 4.6 of 99%
 23. A composition as in any one of claims 17 to 21 in which the undenatured whey protein concentrate has a protein composition comprising beta-lactoglobulin 59.1 ± 4.0 , alpha lactalbumin 6.6 ± 0.7 , serum albumin 9.7 ± 1.0 , and immunoglobulin 24.6 ± 2.6 .
 24. A composition as in any one of claims 17 to 23 in which the amount of undenatured whey protein concentrate administered daily is in the range of about 8 to 40 grams daily.

25. A composition as in claim 24 in which the range is about 20 to 40 grams daily.
26. A composition as in claim 24 in which the range is about 30 to 40 grams daily.
27. A composition as in any one of claims 17 to 26 in which the undenatured whey protein concentrate has a serum albumin level of at least 9.5%.
28. A composition as in any one of claims 17 to 27 in which the substantially undenatured whey protein concentrate comprises substantially all the glutamylcysteine group containing proteins which are contained in raw milk.
29. A composition comprising a substantially undenatured whey protein concentrate, in an amount effective to increase the blood mononuclear cell glutathione concentration and maintain or increase body weight in an HIV-seropositive individual, with an enterologically acceptable carrier.
30. A composition as in any one of claims 17 to 21 or 29 in which the substantially undenatured whey protein concentrate has a solubility index at pH 4.6 of at least in the range from 90% to 95%.
31. A composition as in any one of claims 17 to 21 or 29 in which the whey protein concentrate has a bovine serum albumin level of at least 9.5% of the whey protein mixture.
32. A composition as in any one of claims 17 to 21 or 29 in which the whey protein concentrate has a bovine serum albumin level of at least 7% or more of the whey protein mixture.