

The invention claimed is:

1. A transdermal composition consisting of phosphatidylcholine derived from a natural product, L-carnitine, propylene glycol, glycerin, water, and optionally, one or more selected from the group consisting of a fragrance, an antioxidant, a preservative, a colorant, a buffer, a pH adjuster, an ultraviolet absorber, and an antimicrobial agent.
2. The transdermal composition according to claim 1, wherein the phosphatidylcholine is egg yolk phosphatidylcholine or soybean phosphatidylcholine.
3. The transdermal composition according to claim 1, wherein the phosphatidylcholine is dispersed as a colloidal dispersion in a solution of the transdermal composition.
4. The transdermal composition according to claim 1, wherein the total content of the phosphatidylcholine and L-carnitine is 1 to 16 w/w %.
5. The transdermal composition according to claim 1, wherein said fragrance is present.
6. The transdermal composition according to claim 5, wherein said fragrance is ethanol.
7. The transdermal composition according to claim 2, wherein the phosphatidylcholine is dispersed as a colloidal dispersion in a solution of the transdermal composition.
8. The transdermal composition according to claim 1, wherein the content of phosphatidylcholine is 1 to 6 w/w %.

9. The transdermal composition according to claim 1, wherein the mole ratio of L-carnitine to phosphatidylcholine is 4:1 to 10:1.

10. The transdermal composition according to claim 1, wherein the weight ratio of glycerin to propylene glycol is 0.2:1 to 3:1.

11. The transdermal composition according to claim 1, wherein the natural product-derived phosphatidylcholine and the L-carnitine form a cluster ion.

12. The transdermal composition according to claim 2, wherein the natural product-derived phosphatidylcholine and the L-carnitine form a cluster ion.

13. The transdermal composition according to claim 1, wherein the phosphatidylcholine is dispersed as colloidal particles of about 100 nm or less in a solution of the transdermal composition.

14. The transdermal composition according to claim 2, wherein the phosphatidylcholine is dispersed as colloidal particles of about 100 nm or less in a solution of the transdermal composition.

Claims

[Claim 1]

A transdermal composition comprising a phosphatidylcholine, a carnitine, a polyalcohol, and water.

[Claim 2]

The transdermal composition according to claim 1, wherein the phosphatidylcholine is at least one selected from the group consisting of egg yolk phosphatidylcholine, hydrogenated egg yolk phosphatidylcholine, egg yolk lysophosphatidylcholine, soybean phosphatidylcholine, hydrogenated soybean phosphatidylcholine, and soybean lysophosphatidylcholine.

[Claim 3]

The transdermal composition according to claim 1, wherein the egg yolk phosphatidylcholine is egg yolk high-purity phosphatidylcholine.

[Claim 4]

The transdermal composition according to claim 1 or 2, wherein the carnitine is L-carnitine.

[Claim 5]

The transdermal composition according to any of claims 1 to 4, wherein the polyalcohol is propylene glycol.

[Claim 6]

The transdermal composition according to any of claims 1 to 4, wherein the polyalcohol is glycerin.

[Claim 7]

The transdermal composition according to claim 1, wherein the phosphatidylcholine is dispersed in a solution.

[Claim 8]

The transdermal composition according to any of claims 1 to 7, wherein the transdermal composition is a liquid consisting only of a hydrophilic base.

[Claim 9]

The transdermal composition according to any of claims 1 to 7, wherein the total content of the phosphatidylcholine and L-carnitine is 1 to 16 w/w%.

[Claim 10]

The transdermal composition according to any of claims 1 to 9, further comprising a fragrance.

[Claim 11]

The transdermal composition according to any of claims 1 to 10, further comprising ethanol as a fragrance.