CLAIMS

[Claim 1]

A method of culturing a marine and/or euryhaline microalgae, using a composition comprising a medium obtained from culturing of animal cells using a medium used for culturing animal cells, as a culture medium,

wherein the medium used for culturing animal cells comprises amino acids, and

wherein a phosphorus concentration in the composition is 0.02 mM or greater.

[Claim 2]

The method according to claims 1, wherein the osmotic pressure of the composition is adjusted to an osmotic pressure equivalent to or in a range of ±10% of the osmotic pressure of standard medium for culturing of algae, as necessary, and used.

[Claim 3]

The method according to claim 1 or 2, wherein an inorganic salt is further added to the composition.

[Claim 4]

The method according to claim 3, wherein the inorganic salt is one or more selected from the group consisting of sodium salts, potassium salts, magnesium salts and calcium salts.

[Claim 5]

The method according to any one of claims 1 to 4, wherein the ammonia concentration in the composition is 0.5 mM or greater.

[Claim 6]

A recycling culture method for microalgae and animal cells, comprising:

(1) a step of collecting the microalgae cultured by the method according to any one of claims 1 to 5,

(2) a step of decomposing the microalgae to obtain an algae extract, and

(3) a step of culturing animal cells using a medium containing the algae extract.

[Claim 7]

The method according to claim 6, wherein the method according to any one of claims 1 to 5 is further carried out after step (3).

[Claim 8]

A composition for culturing of a marine and/or euryhaline microalgae comprising a medium obtained from culturing of animal cells using a medium used for culturing animal cells,

wherein the medium used for culturing animal cells comprises amino acids, and

wherein a phosphorus concentration in the composition is 0.02 mM or greater.

[Claim 9]

The composition according to claim 8, wherein the osmotic pressure of the composition is adjusted to an osmotic pressure equivalent to or in a range of ±10% of the osmotic pressure of standard medium for culturing of algae.

[Claim 10]

The composition according to claim 8 or 9, wherein an inorganic salt is further added.

[Claim 11]

The composition according to claim 10, wherein the inorganic salt is one or more selected from the group consisting of sodium salts, potassium salts, magnesium salts and calcium salts.

[Claim 12]

The composition according to any one of claims 8 to 11, wherein the ammonia concentration in the composition is 0.5 mM or greater.