Claims

[Claim 1]

Use of a composition comprising a pea-derived material and/or yeast extract for culturing animal cells.

[Claim 2]

The use according to claim 1, wherein the composition is for improving growth and/or promoting differentiation of animal cells.

[Claim 3]

The use according to claim 1 or 2, wherein the composition is a culture medium or a culture medium additive.

[Claim 4]

The use according to claim 3, wherein the medium is a basal medium, a feed medium, or a perfusion medium.

[Claim 5]

The use according to claim 1 or 2, wherein the pea-derived material is a pea fermentation product and/or a pea protein.

[Claim 6]

The use according to claim 5, wherein the pea fermentation product is pea-based soy sauce (soy-free).

[Claim 7]

The use according to claim 1 or 2, wherein the animal is a mammal, bird, fish, or crustacean.

[Claim 8]

The use according to claim 1 or 2, wherein the animal is an animal for meat.

[Claim 9]

The use according to claim 1 or 2, wherein the animal is a bovine or chicken.

[Claim 10]

The use according to claim 1 or 2, wherein the cells are MyoD+ cells or PAX7+ cells.

[Claim 11]

The use according to claim 1 or 2, wherein the cells are myoblasts or satellite cells.

[Claim 12]

The use according to claim 1 or 2, wherein the composition is substantially free of serum.

[Claim 13]

The use according to claim 1 or 2, wherein the composition is substantially free of animal-derived albumin.

[Claim 14]

A method for producing a product, which comprises

the step of culturing animal cells in the presence of a pea-derived material and/or yeast extract.

[Claim 15]

The method according to claim 14, wherein the product is cultured meat.

[Claim 16]

A method for culturing animal cells, which comprises

the step of culturing the animal cells in the presence of a pea-derived material and/or yeast extract.

[Claim 17]

A method for improving growth of animal cells, which comprises

the step of culturing the animal cells in the presence of a pea-derived material and/or yeast extract.

[Claim 18]

A method for promoting differentiation of animal cells, which comprises

the step of culturing the animal cells in the presence of a pea-derived material and/or yeast extract.

[Claim 19]

The method according to any one of claims 14 to 18, wherein the pea-derived material is a pea fermentation product and/or a pea protein.

[Claim 20]

The method according to claim 19, wherein the pea fermentation product is pea-based soy sauce (soy-free).

[Claim 21]

The method according to claim 19, wherein concentration of the pea fermentation product in a medium during the culture is 0.1 to 100 mg/mL.

[Claim 22]

The method according to claim 19, wherein concentration of the pea protein in a medium during the culture is 0.05 to 50 mg/mL.

[Claim 23]

The method according to any one of claims 14 to 18, wherein the animal is a mammal, bird, fish, or crustacean.

[Claim 24]

The method according to any one of claims 14 to 18, wherein the animal is an animal for meat.

[Claim 25]

The method according to any one of claims 14 to 18, wherein the animal is a bovine or chicken.

[Claim 26]

The method according to any one of claims 14 to 18, wherein the cells are MyoD+ cells or PAX7+ cells.

[Claim 27]

The method according to any one of claims 14 to 18, wherein the cells are myoblasts or satellite cells.

[Claim 28]

The method according to any one of claims 14 to 18, wherein the culture is performed in a medium substantially free of serum.

[Claim 29]

The method according to any one of claims 14 to 18, wherein the culture is performed in a medium substantially free of animal-derived albumin.