CLAIMS

[Claim 1]

A method for producing pancreatic islet-containing capsules, comprising the steps of:

(a) preparing a sodium alginate solution A containing pancreatic islets at a concentration of 10,000 IEQ/mL or more;

(b) adding the sodium alginate solution to a divalent cation solution dropwise, and collecting gelled particles;

(c) adding the particles collected in step (b) to a poly-L-ornithine solution A, followed by stirring and then collecting particles;

(d) adding the particles collected in step (c) to a sodium alginate solution B, followed by stirring and then collecting particles; and

(e) adding the particles collected in step (d) to a sodium citrate solution, followed by stirring and then collecting particles.

[Claim 2]

The method according to claim 1, wherein the pancreatic islets are obtained from a one- to three-week-old neonatal pig.

[Claim 3]

The method according to claim 1 or 2, wherein the pancreatic islet-containing capsules have an average diameter of 550 to 750 μm.

[Claim 4]

The method according to any one of claims 1 to 3, wherein the sodium alginate solution A has a sodium alginate concentration of 1 w/v% or more to 3 w/v% or less.

[Claim 5]

The method according to any of claims 1 to 4, wherein the poly-L-ornithine solution A has a poly-L-ornithine

concentration of 0.05 w/v% or more to 3 w/v% or less.

[Claim 6]

The method according to any one of claims 1 to 5, wherein the sodium alginate solution B has a sodium alginate concentration of 0.1 w/v% or more to 0.3 w/v% or less.

[Claim 7]

The method according to any of claims 1 to 6, wherein in step (d), the particles collected in step (c) are added to the sodium alginate solution B after being added to poly-L-ornithine solution B, stirred, and then collected.

[Claim 8]

The method according to claim 7, wherein the poly-L-ornithine solution B has a poly L-ornithine concentration of 0.01 w/v% or more to less than 0.1 w/v%.