## CLAIMS

1. A method of making a pelletized cell culture medium, the method comprising:

a) subjecting a first dry powder to suspension in an upwardly moving column of a gas in a fluid bed apparatus, and to spinning in a disc rotor;

b) introducing a solvent and/or a second dry powder into the fluid bed apparatus at step (a), such that the pellet is formed; and

c) drying the pellet,

wherein the first dry powder, the second dry powder, or the solvent comprises a binder, an excipient, or both; and

wherein the first dry powder and/or the second dry powder is selected from the group consisting of a basal media powder, a complete media powder, a feed, a supplement, a media or feed concentrate and an amino acid mixture that can support the cultivation of a cell in culture.

2. The method of making pelletized cell culture medium of claim 1, wherein the first dry powder of step (a) is pre-wetted, and optionally, no solvent is introduced in step (b); and/or
wherein the first and second dry powders are the same or wherein the first and second dry powders are different.

3. The method of making pelletized cell culture medium of claim 1 or claim 2, wherein the binder or the excipient is selected from the group consisting of a sugar, a natural substance, a synthetic substance and a semisynthetic substance;

optionally wherein the natural substance is a microcrystalline cellulose; or

optionally wherein the sugar is selected from the group consisting of glucose, sucrose, trehalose, a monosaccharide, a disaccharide and an oligosaccharide; further optionally wherein the % composition of glucose in the pellet is from 0.1 to 100%.

4. The method of making the pelletized cell culture medium of any one of the preceding claims, wherein said pellet size is 0.05 mm to 7 mm; optionally wherein said pellet size is 0.05 mm to 0.5 mm, or 0.05 mm to 1 mm, or 0.05 mm to 2 mm, or 0.05 mm to 3 mm, or 0.05 mm to 4 mm, or 0.05 mm to 5 mm, or 0.05 mm to 6 mm, or 0.05 mm to 0.1 mm, or 0.05 mm to 0.2 mm, or 0.05 mm to 0.3 mm, or 0.05 mm to 0.4 mm, or 0.1 mm to 1 mm, or 0.1 mm to 2 mm, or 0.1 mm to 3 mm, or 0.1 mm to 4 mm, or 0.1 mm to 5 mm, or 0.1 mm to 6 mm, or 0.5 mm to 1 mm, or 0.5 mm to 2 mm, or 0.5 mm to 3 mm, or 0.5 mm to 4 mm, or 0.5 mm to 5 mm, or 0.5 mm to 6 mm, or 0.5 mm to 7 mm, or 1 mm to 2 mm, or 1 mm to 3 mm, or 1 mm to 4 mm, or 1 mm to 5 mm, or 1 mm to 6 mm, or 1 mm to 7 mm; and/or

wherein said pellet size is larger than 0.1 mm, or larger than 0.2 mm, or larger than 0.3 mm, or larger than 0.4mm, or larger than 0.5 mm, or larger than 0.6 mm, or larger than 0.7 mm, or larger than 0.8 mm, or larger than 0.9 mm, or larger than 1 mm, or larger than 2 mm.

5. The method of making the pelletized cell culture medium of any one of the preceding claims, wherein, the disc rotor spins at variable speeds; and/or

wherein the pellet is dried to a moisture content of 0.5% to 3%.

6. The method of making the pelletized cell culture medium of any one of the preceding claims, wherein the solvent is introduced into step (a) through a tangential spray, a top spray, or a bottom spray.

7. The method of making the pelletized cell culture medium of any one of the preceding claims, wherein the rate of the solvent introduced into step (a) is between 1 gm/min up to 30 gm/min;

optionally wherein the rate of the solvent introduced into step (a) is about 5 gm/min.

8. The method of making the pelletized cell culture medium of any one of the preceding claims, wherein a temperature of an inlet gas is at 20°C to 30°C, optionally wherein the temperature of the inlet gas is at about 25°C; and/or

wherein the pellet temperature is maintained at 20°C to 30°C; and/or

wherein the temperature for drying the pellet is 50°C to 60°C.

9. A method of making a pelletized base powder module, the method comprising:

a) subjecting a first dry powder to suspension in an upwardly moving column of a gas in a fluid bed apparatus, and to spinning in a disc rotor;

b) introducing a solvent and optionally, a second dry powder into the fluid bed apparatus of step (a), such that the pellet of the based powder module is formed; and

c) drying the pellet;

wherein the first dry powder, the second dry powder, or the solvent comprises a binder, an excipient, or both;

optionally wherein the module is selected from the group consisting of one or more water soluble vitamins, one or more acid soluble vitamins, one or more neutral soluble vitamins, one or more acid soluble amino acids, one or more base soluble amino acids, one or more neutral water soluble amino

acids, one or more water soluble, inorganic salts, one or more inorganic, acid soluble salts, one or more sugars, one or more acid soluble, trace elements, one or more alcohol soluble polyamines, one or more alcohol soluble lipids, and one or more buffer salts; and/or

optionally wherein the water soluble or acid or base or neutral soluble vitamin module, the water soluble or acid or base or neutral soluble amino acid module, or the water soluble or acid or base or neutral soluble salt module comprises at least one water insoluble excipient, or water insoluble binder, or both.

10. A method of producing a nutritive medium pellet, a nutritive medium supplement pellet, a nutritive medium subgroup pellet or a buffer pellet, the method comprising: subjecting a dry powder medium, supplement, medium subgroup, or medium buffer with a solvent, and/or the powder; and forming a pellet using a rotating disk in a fluid bed, wherein the pellet comprises a binder or excipient;

optionally wherein the binder or excipient is sprayed in through the solvent, or is blended into the dry powder; and/or

optionally wherein said dry powder is selected from the group consisting of one or more water soluble groups, one or more base soluble groups, one or more acid soluble groups, one or more acid soluble reactive groups, one or more alcohol soluble groups, one or more alcohol soluble reactive groups, and one or more pH modifier groups; and/or

wherein the water soluble group is selected from the group consisting of vitamins, bulk inorganic salts, and sugars; and/or

wherein the sugar is D-glucose.

11. The method of any one of claims 1 to 10, further comprising assembling a kit comprising:

i) a first container comprising one or more of said pellets; and

ii) instructions for using said pellets.